

Figure 1.

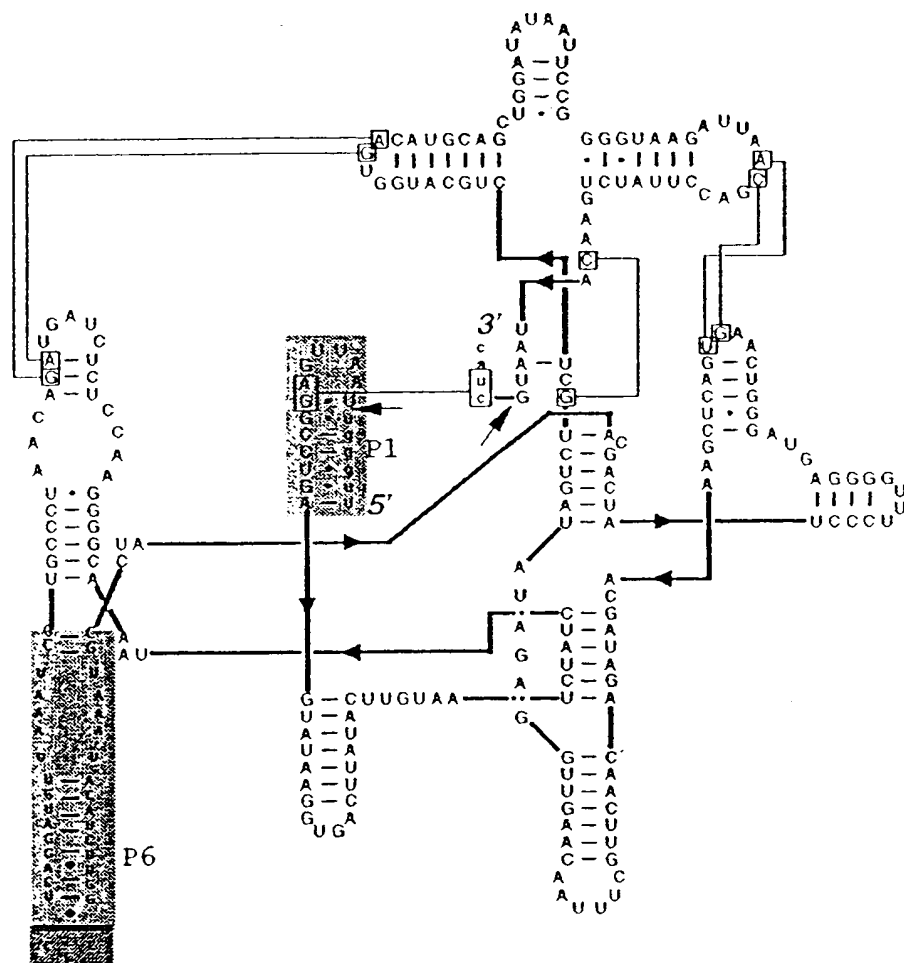
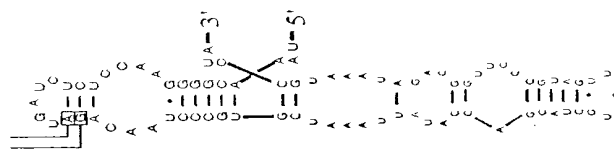
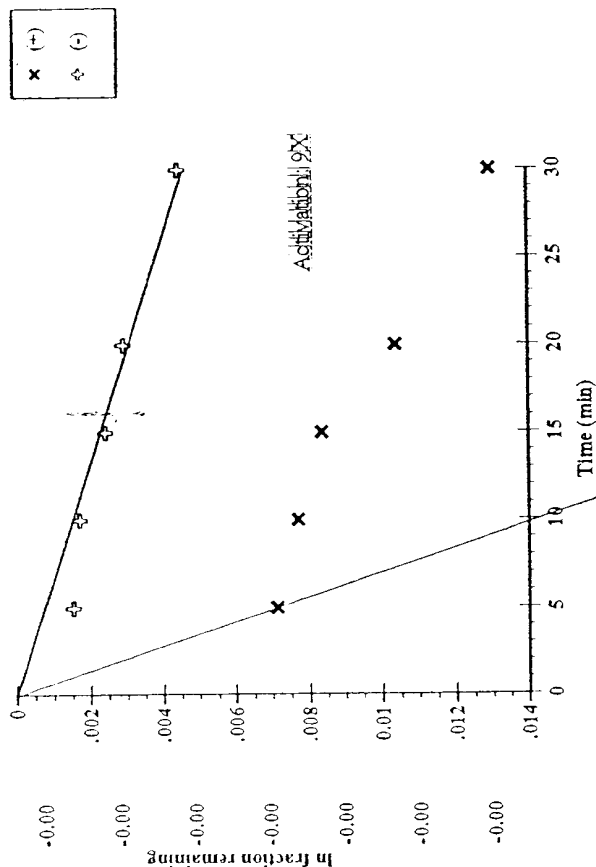
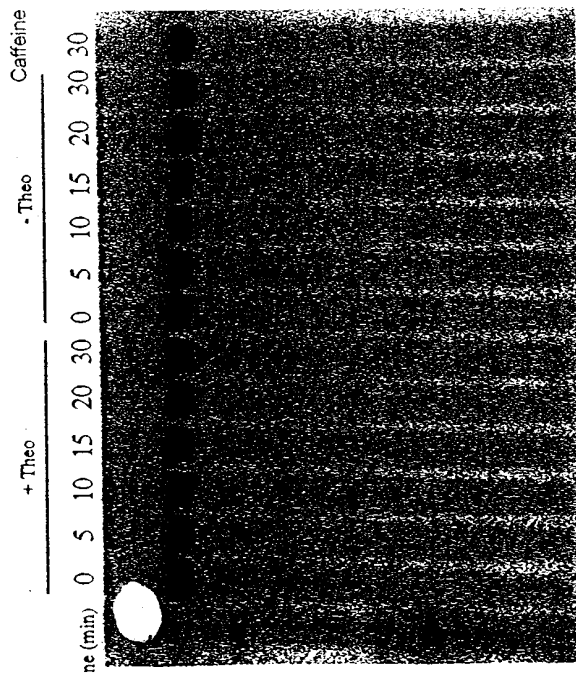


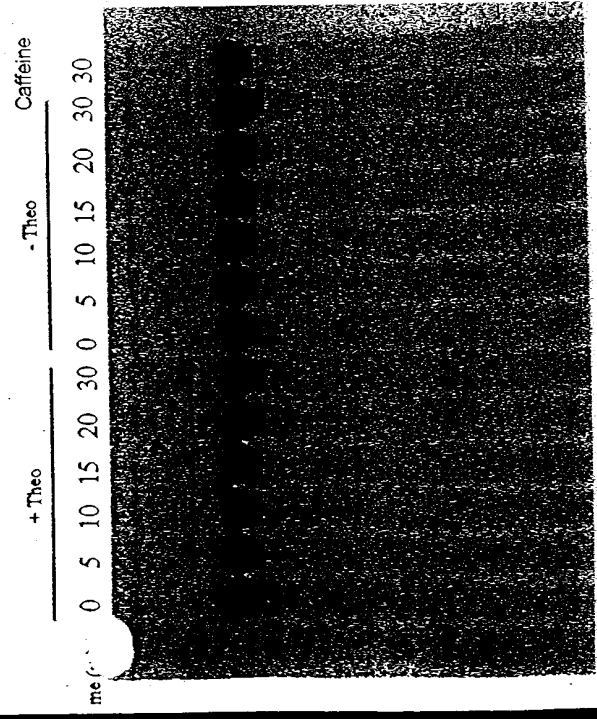
Figure 2a.



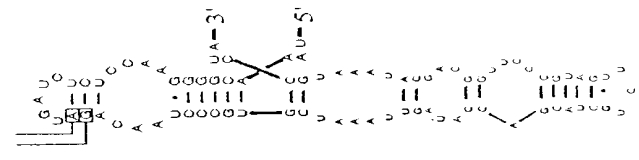
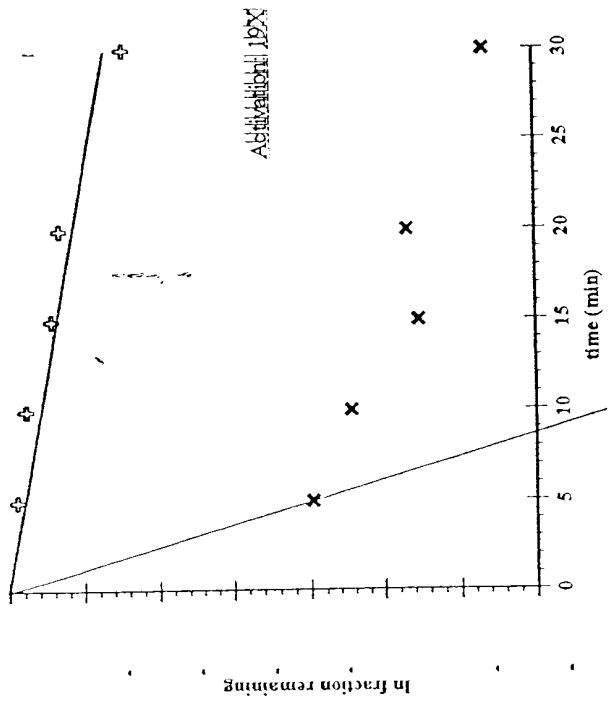
GpITH1P6.131

104799-6753060

Figure 2b.



(+)
(-)



Gpith2P6.133

Figure 3.

In Vivo Assay

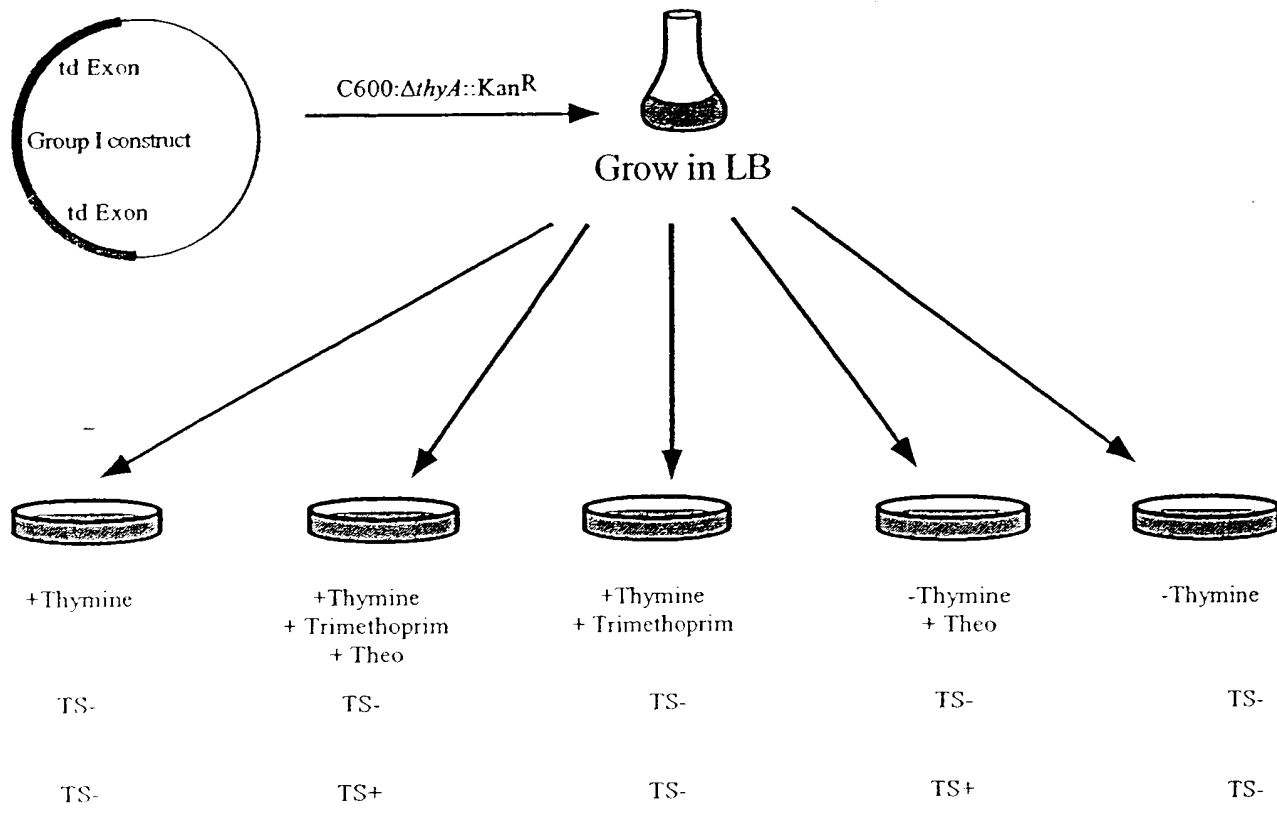
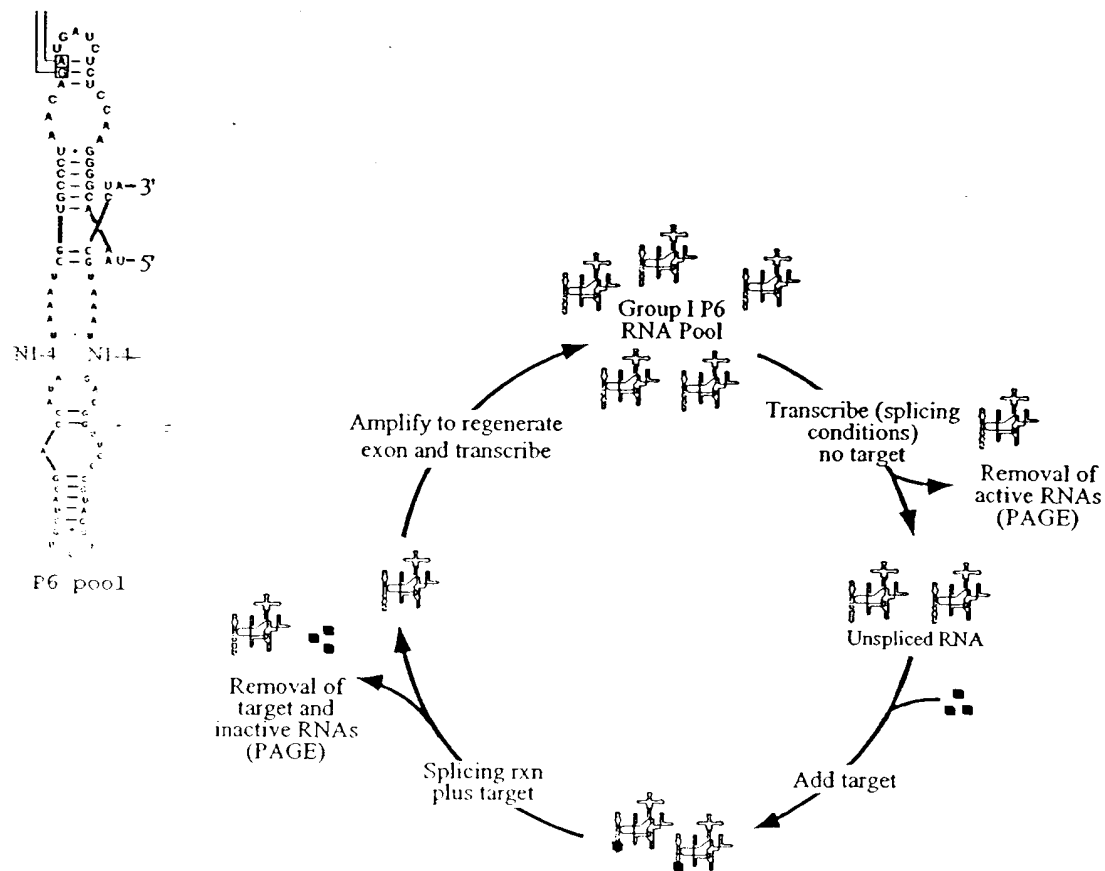
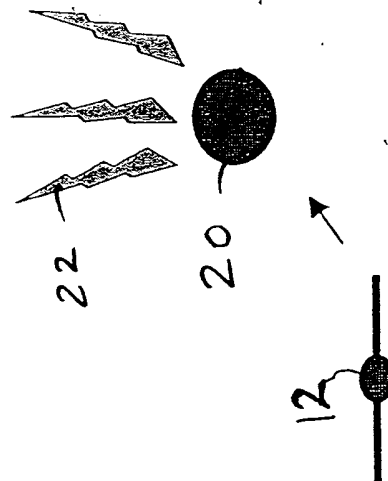
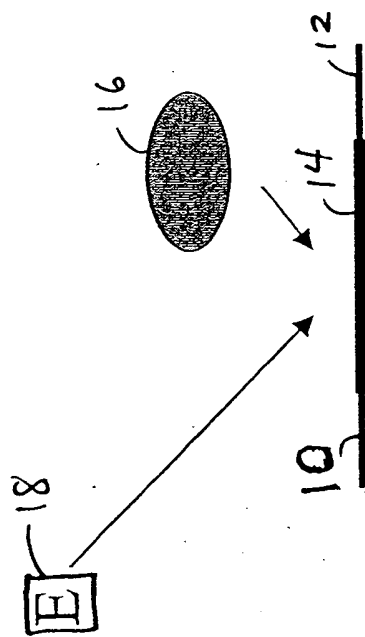


Figure 4.





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Fig. 5

FIG. 10

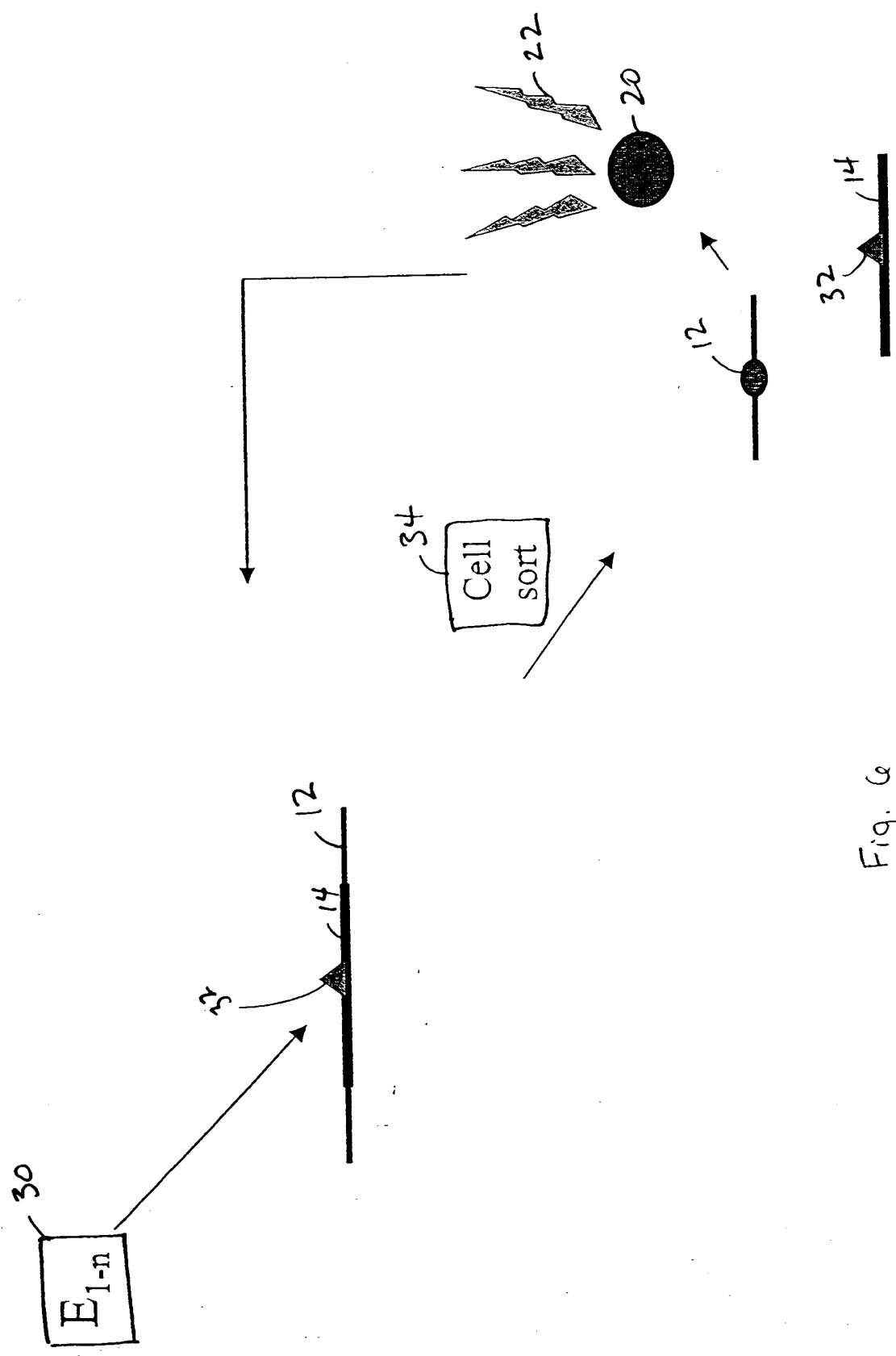


Fig. 6

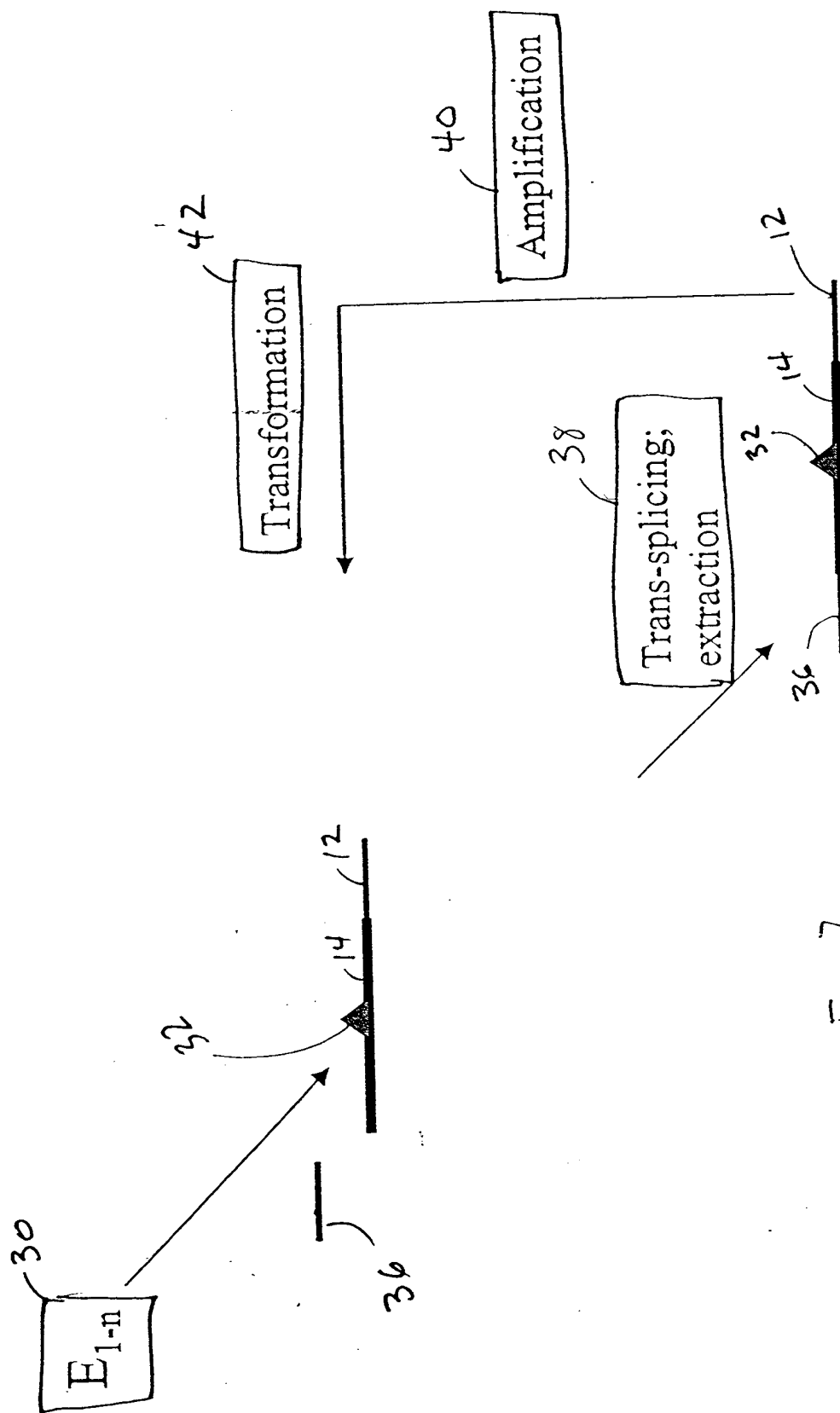


Fig. 7

FIG. 8

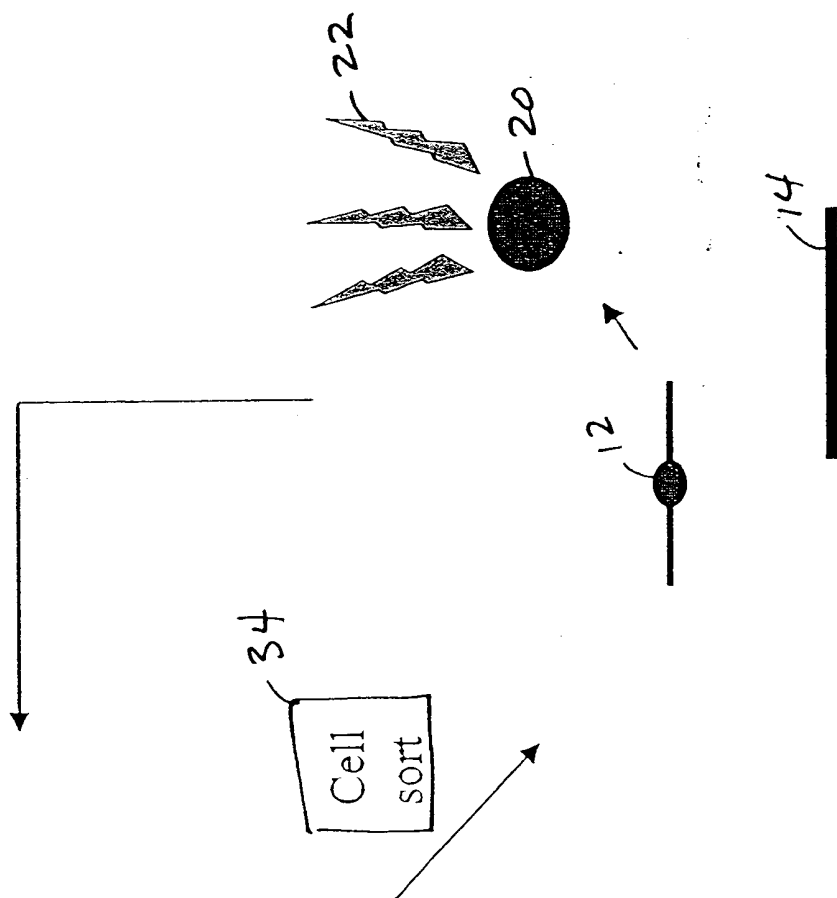
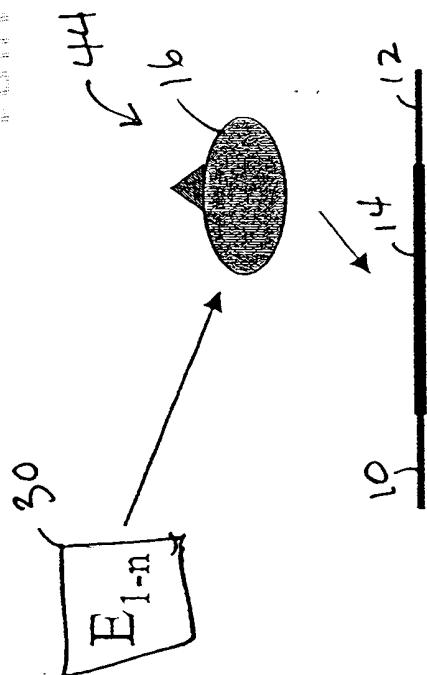


Fig. 8

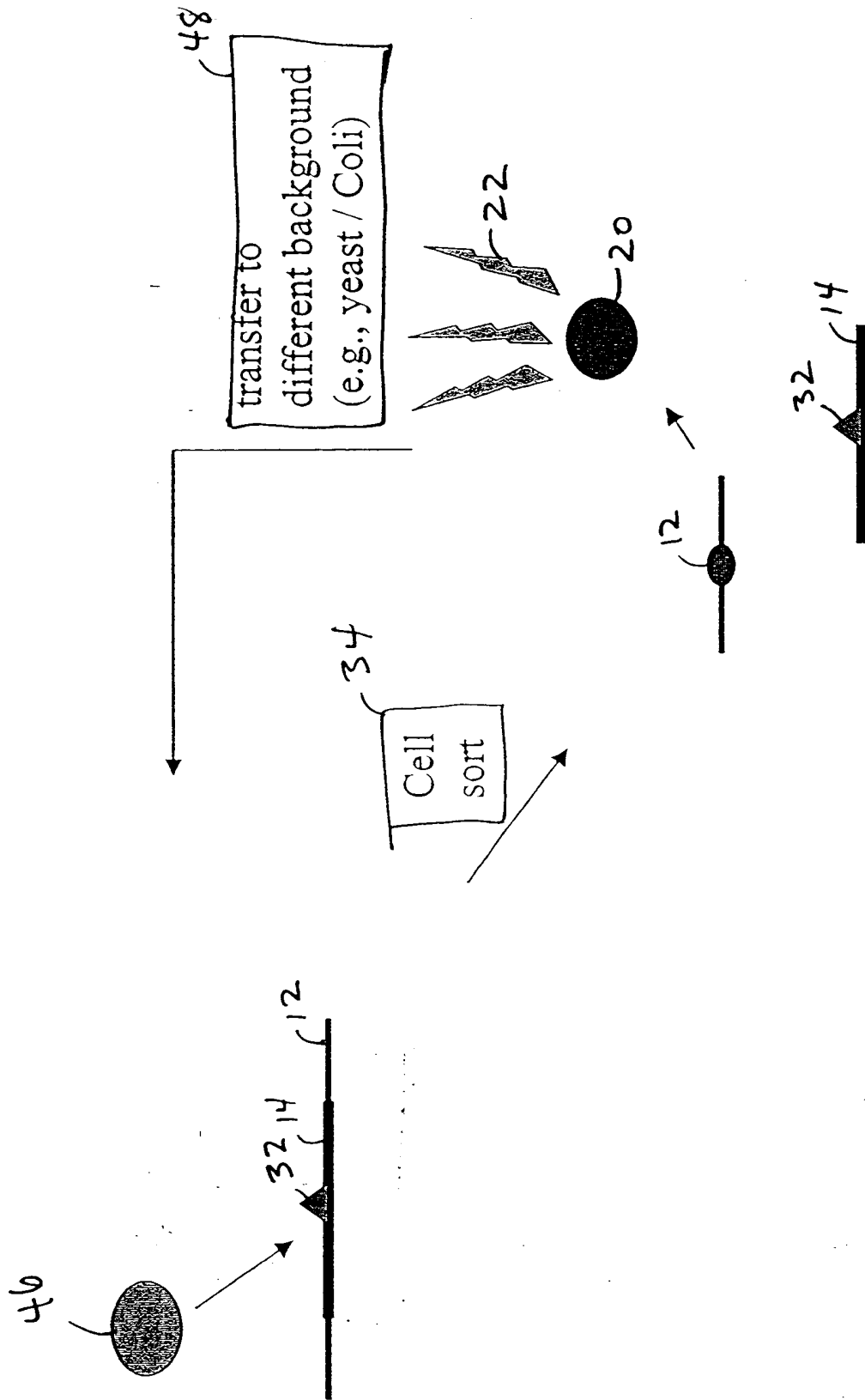


Fig. 9

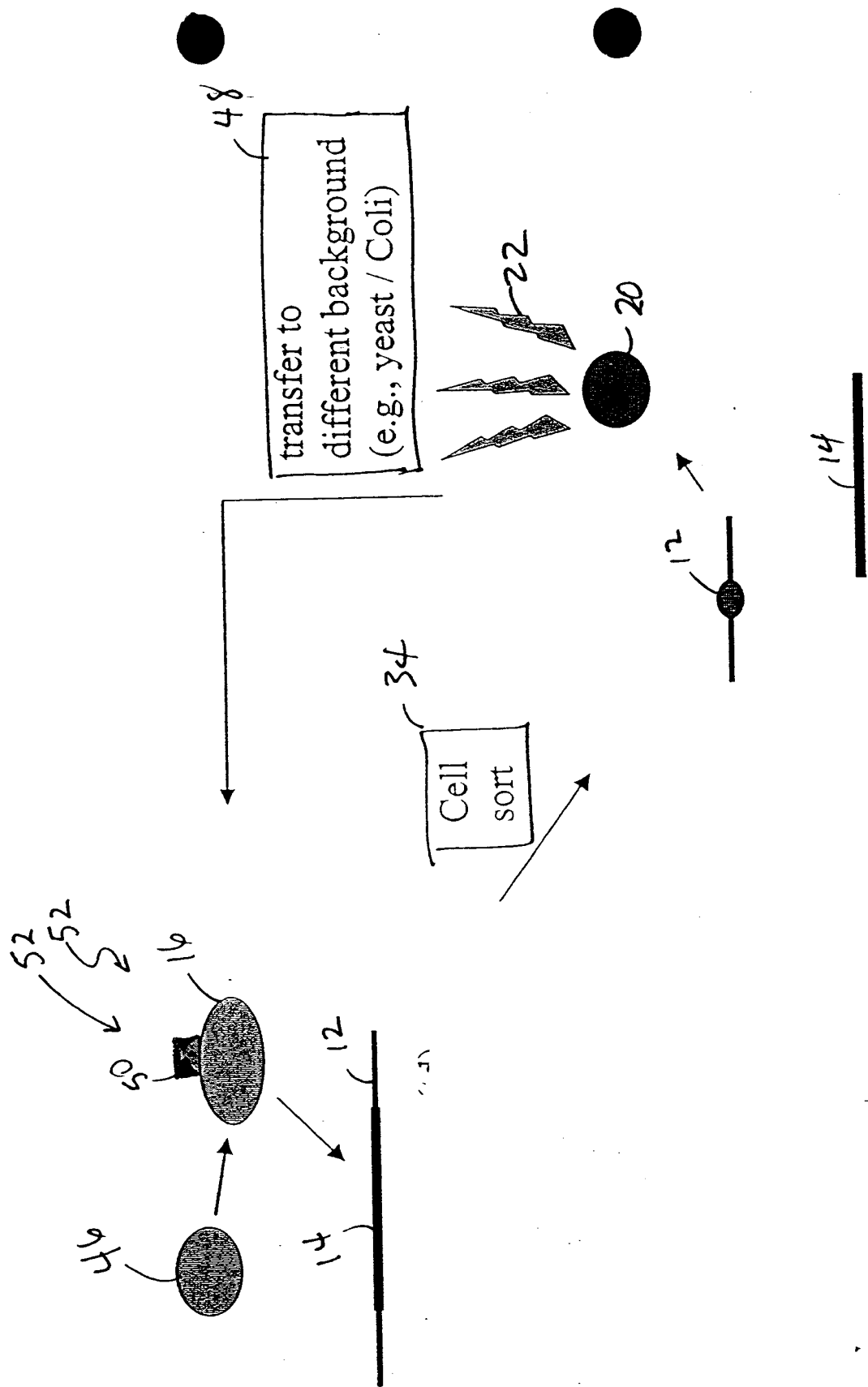


Fig. 10

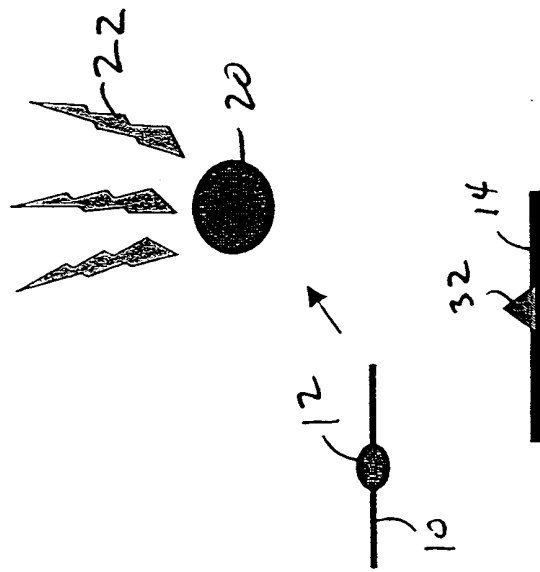
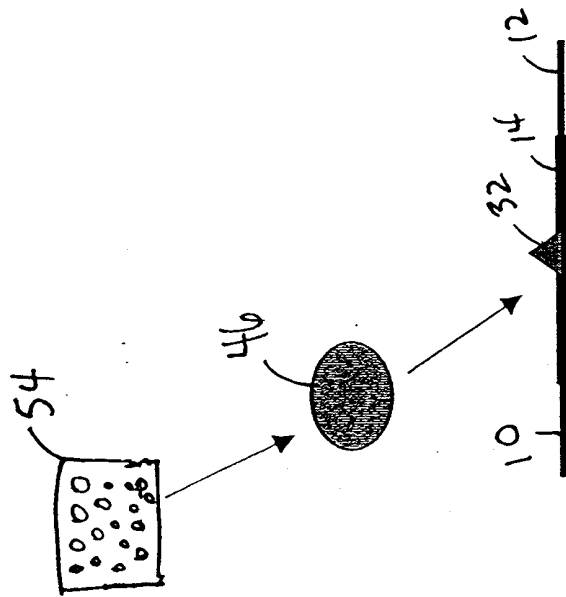


Fig. 11

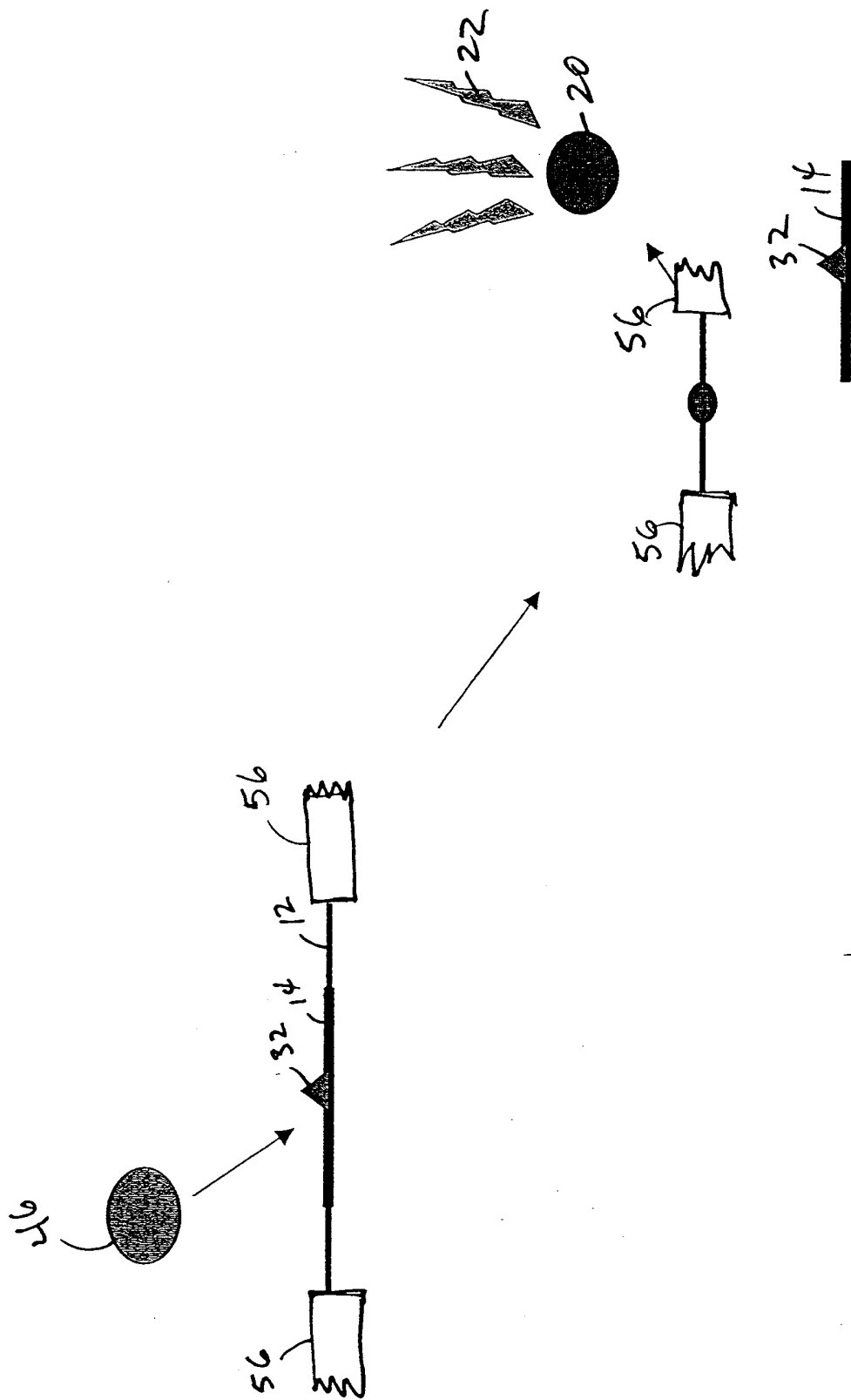


Fig. 12

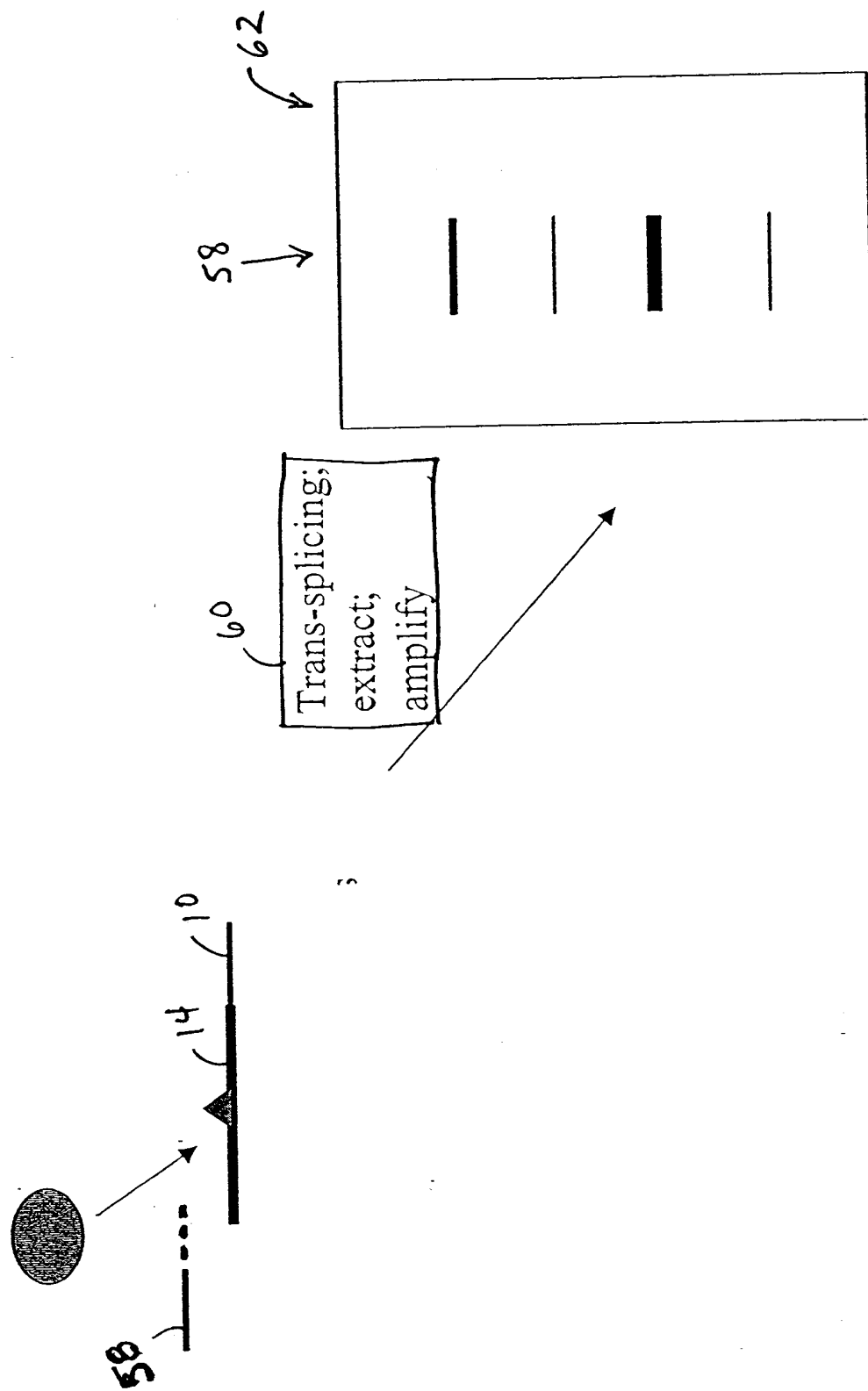
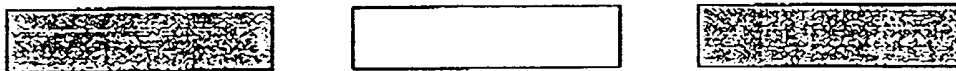


Fig. 13



← Direction of movement

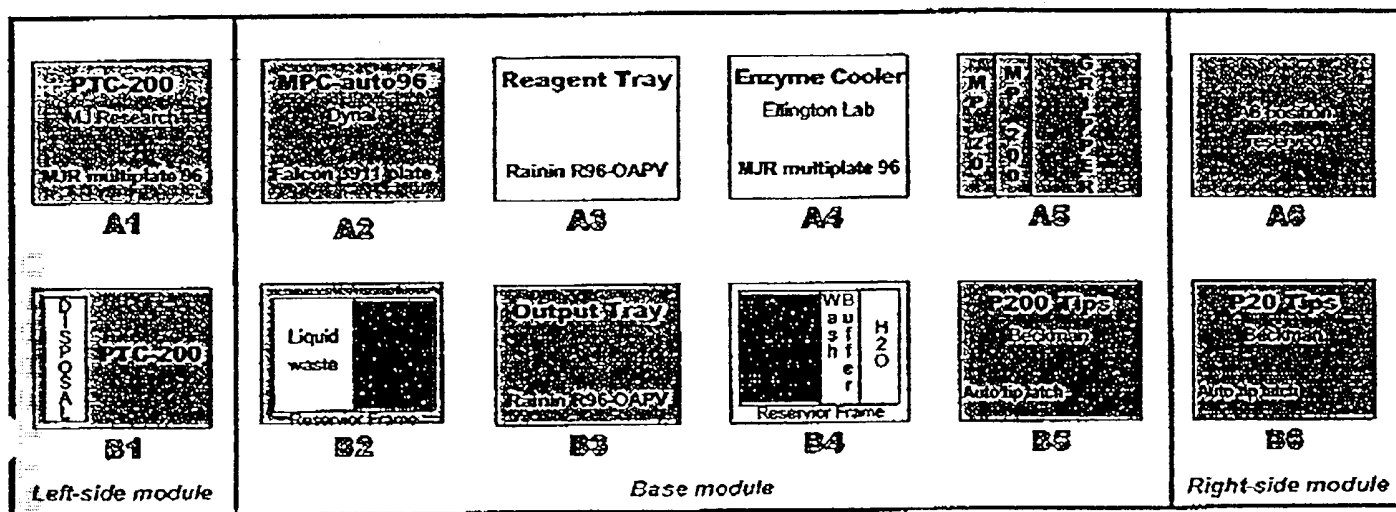


Fig. 14

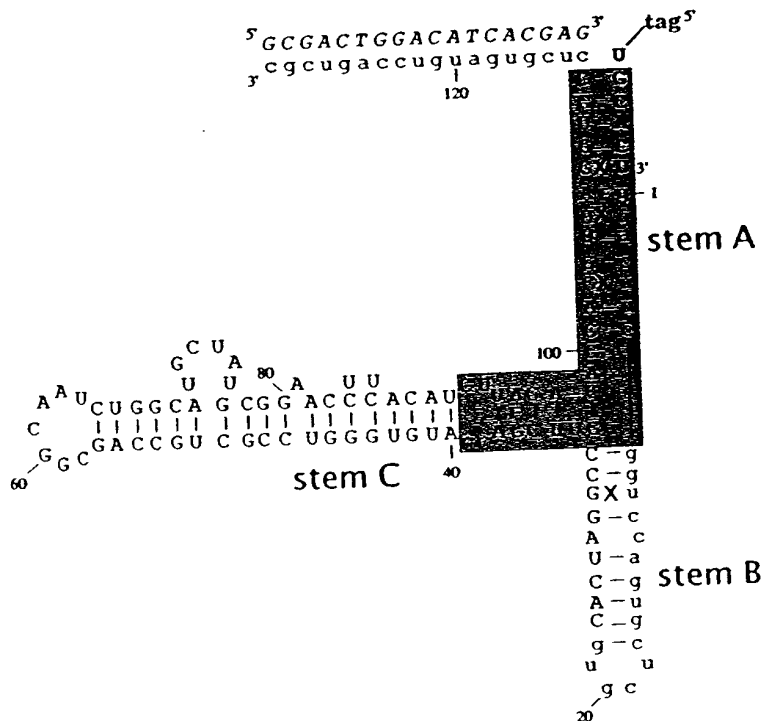


Fig. 15a

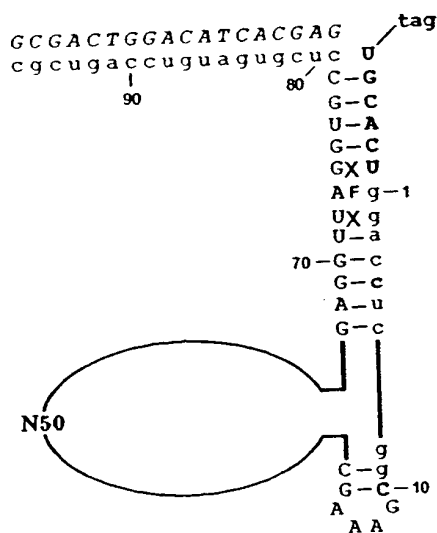


Fig. 15b

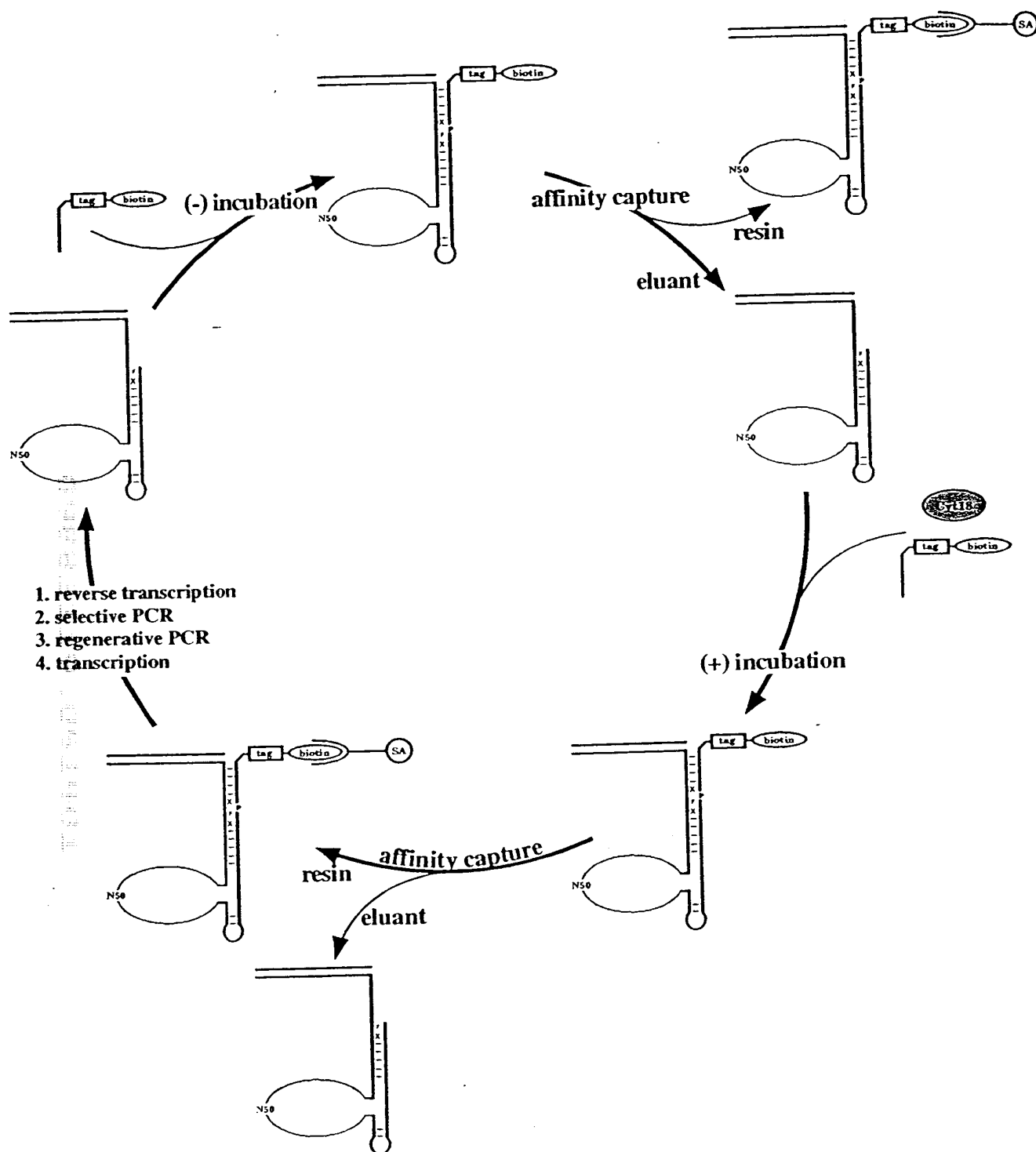


Fig. 15 c

Fig 16a

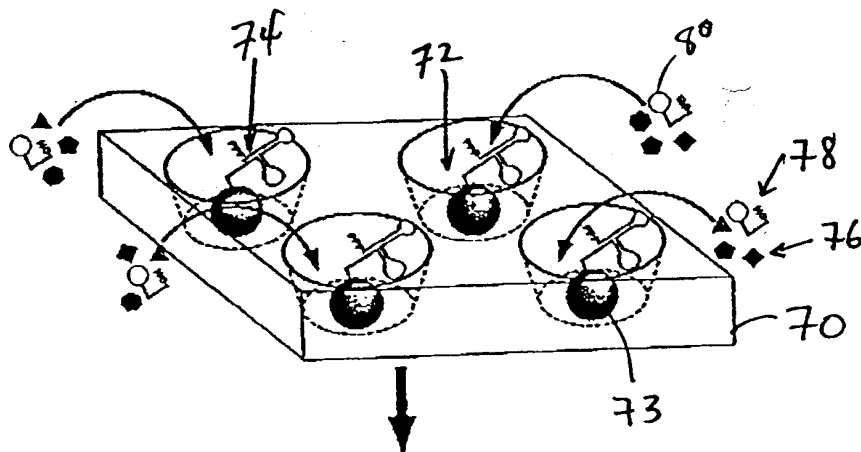


Fig 16b

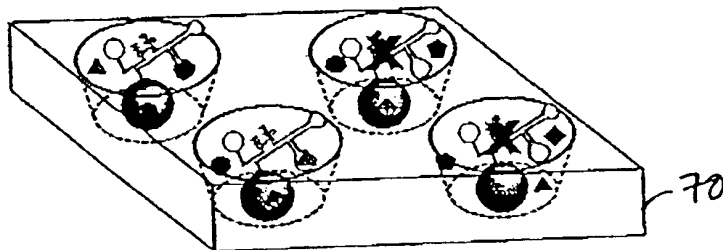


Fig 16c

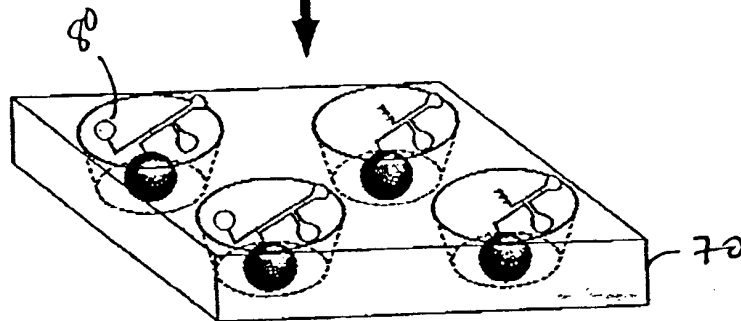
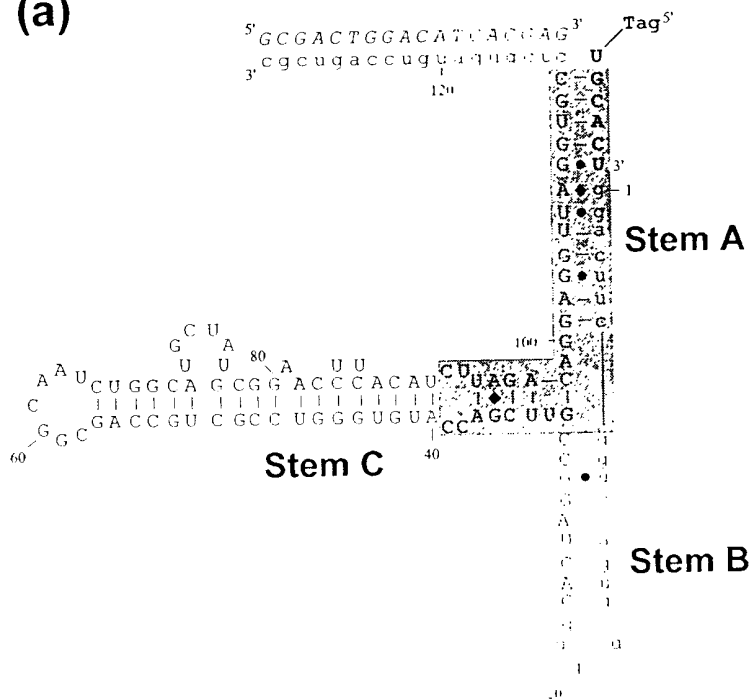


Figure 17

(a)



(b)

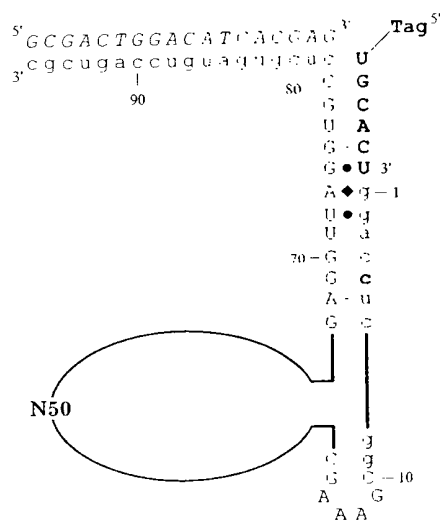


Figure 17

(c)

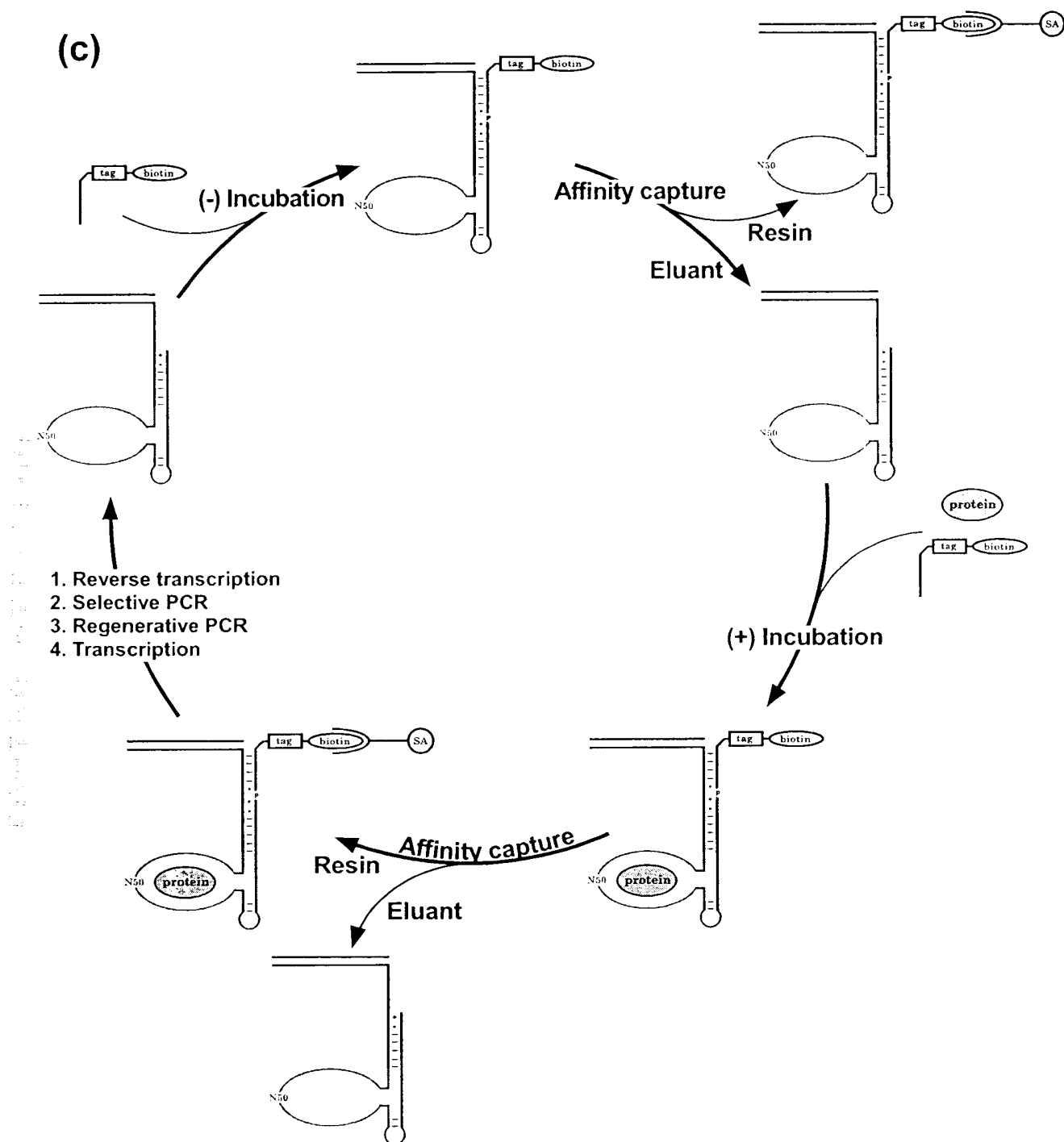


Figure 18

(a)

Round	(-) Incubation		(+) Incubation		Activation
	Substrate	(-) Cyt18	Substrate	(+) Cyt18	
1			2X	14 h	
2	2X	20 h	2X	14 h	
3	2X	20 h	2X	8 h	0.9
4	2X	20 h	2X	1 h	1.0
5	4X	44 h	2X	1 h	26
6	4X	45 h	2X	15 min	1800
7	4X	91 h	2X	5 min	61000
8			1X	30 s	66000
9	4X	20 h	1X	30 s	76000

(b)

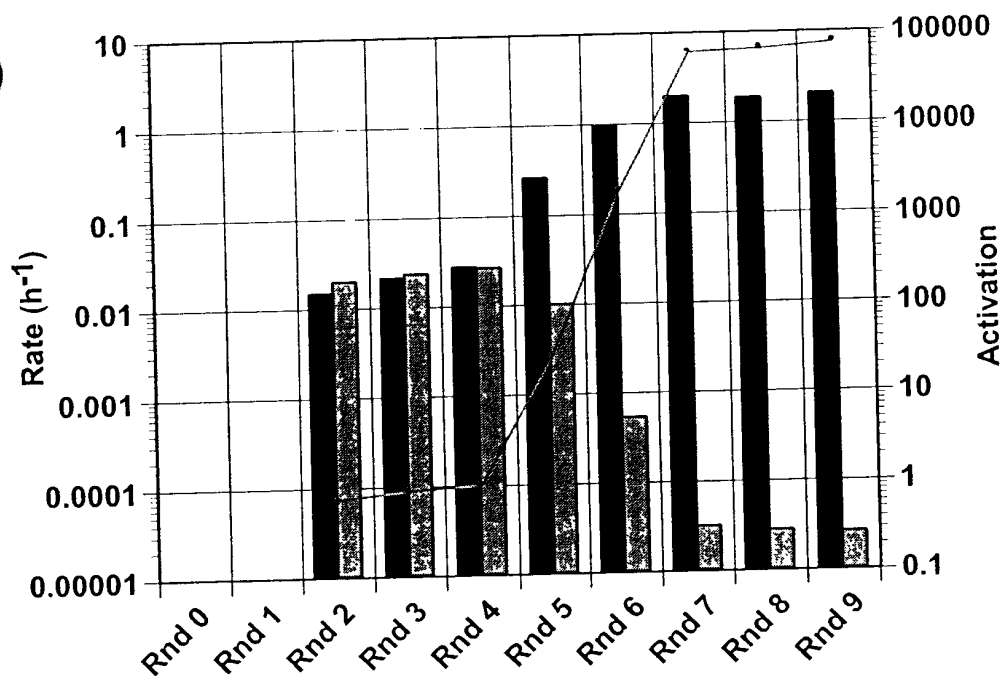
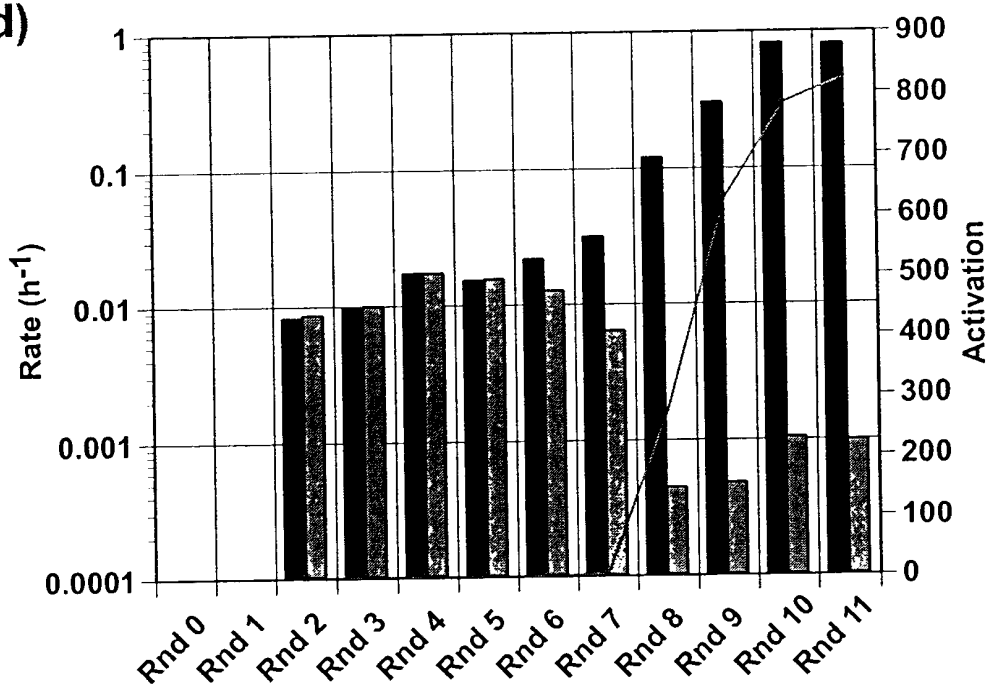


Figure 18

(c)

Round	(-) Incubation		(+) Incubation		Activation
	Substrate	(-) Lys	Substrate	(+) Lys	
1			2X	16 h	
2	2X	22 h	2X	14 h	1.0
3	2X	20 h	2X	8 h	1.0
4	2X	18 h	2X	1 h	1.0
5	4X	44 h	2X	1 h	1.0
6	4X	44 h	2X	15 min	1.7
7	4X	90 h	2X	15 min	5.0
8	4X	93 h	2X	5 min	270
9	4X	92 h	2X	1 min	630
10			1X	30 s	780
11	4X	118 h	1X	30 s	820

(d)



(a)

cyt7-2 (0.61) CGGAAGCAAGGAGAGACGTCCTTGGAGGAGCAAGGG-----GTCTTACAGTCAGT
cyt7-6 (0.22) CAGAGCATTAAGG----ACGGGTGACTCTTTAGTTAGGCTCCCCTTAGTCTTAGG
cyt7-1 (0.08) CAGAGCATGAAGCGGCCACGGGTGGGATGTTGCCCTTG-----GTCAGTCTTG
cyt9-2 (0.03) AGGAACCCCCAGATTGTGTCTGGGCTGTTATGCGTCGTTTATTGAGATTAC
cyt9-16 (0.03) CAGTACGTTAATATCCCGGAGCTAGGTGCTTCTTGTGGACAGTTATGGG
cyt9-18 (0.03) GCACACAGCACTATATTGCTTGGTCGGAGCGTTTCGTTTATTGAGTTTAC

lys11-2 (0.50) TAACGTCTCATGGCTAAATTGCCATGT-TGCTACAAATGATATGACTAGA
lys11-3 (0.38) TAACGAAGACTTTGGTGACCGGCTAGTCTTCTATTAATGAGATGACGAGA
lys11-28 (0.08) TAACGCCGCACTTAGGAACGGGTGCTGGA-TAAAAATGATATGACGAGA
lys11-6 (0.04) TTAAACGAGAGAATTGGCAGTACCGTGCT-GGTTCCGAGATAACGAGA

(b)

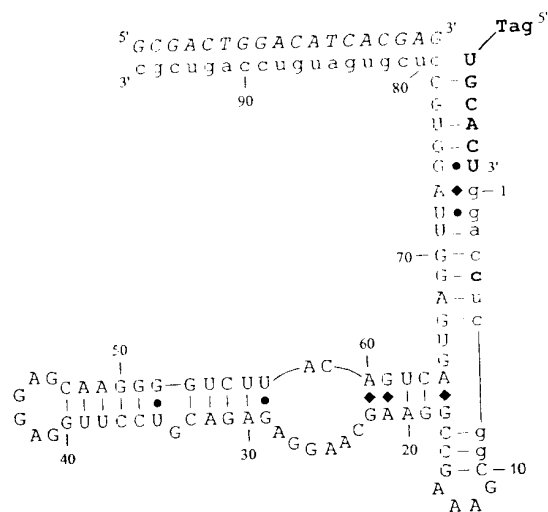


Figure 20

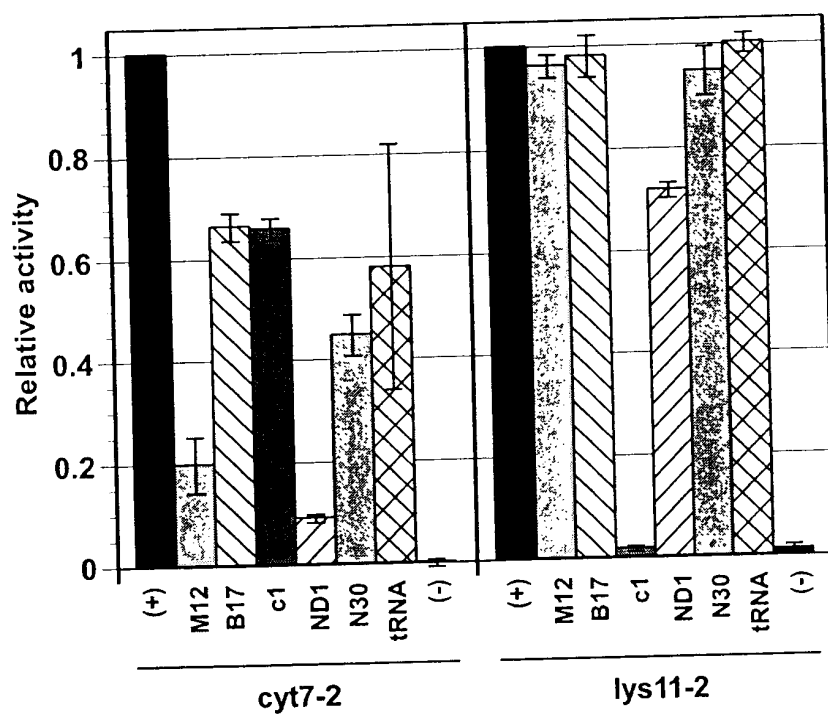


Figure 21

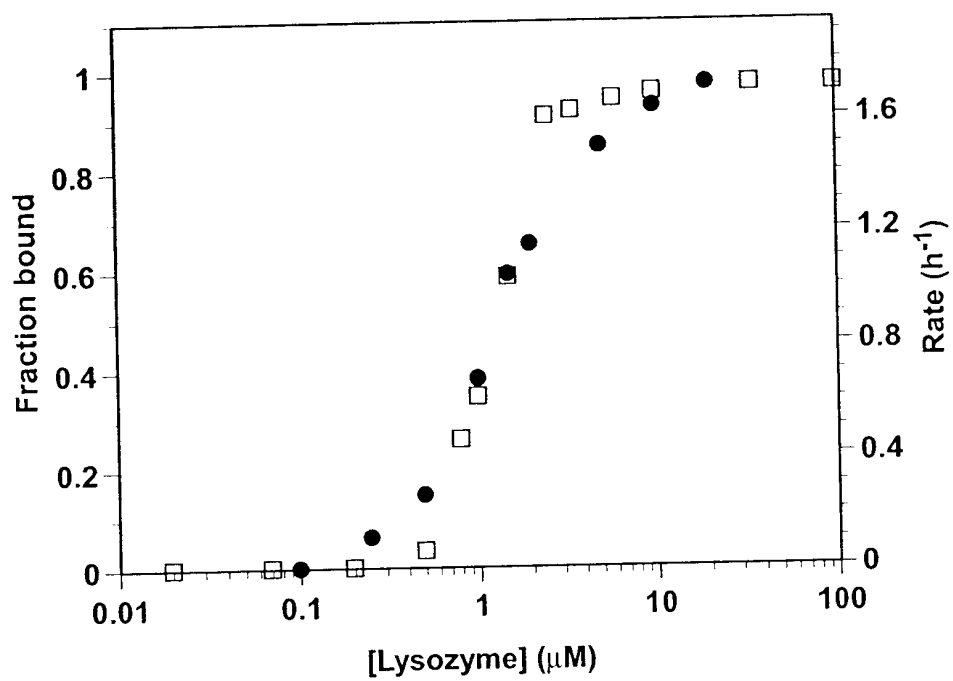


Figure 22

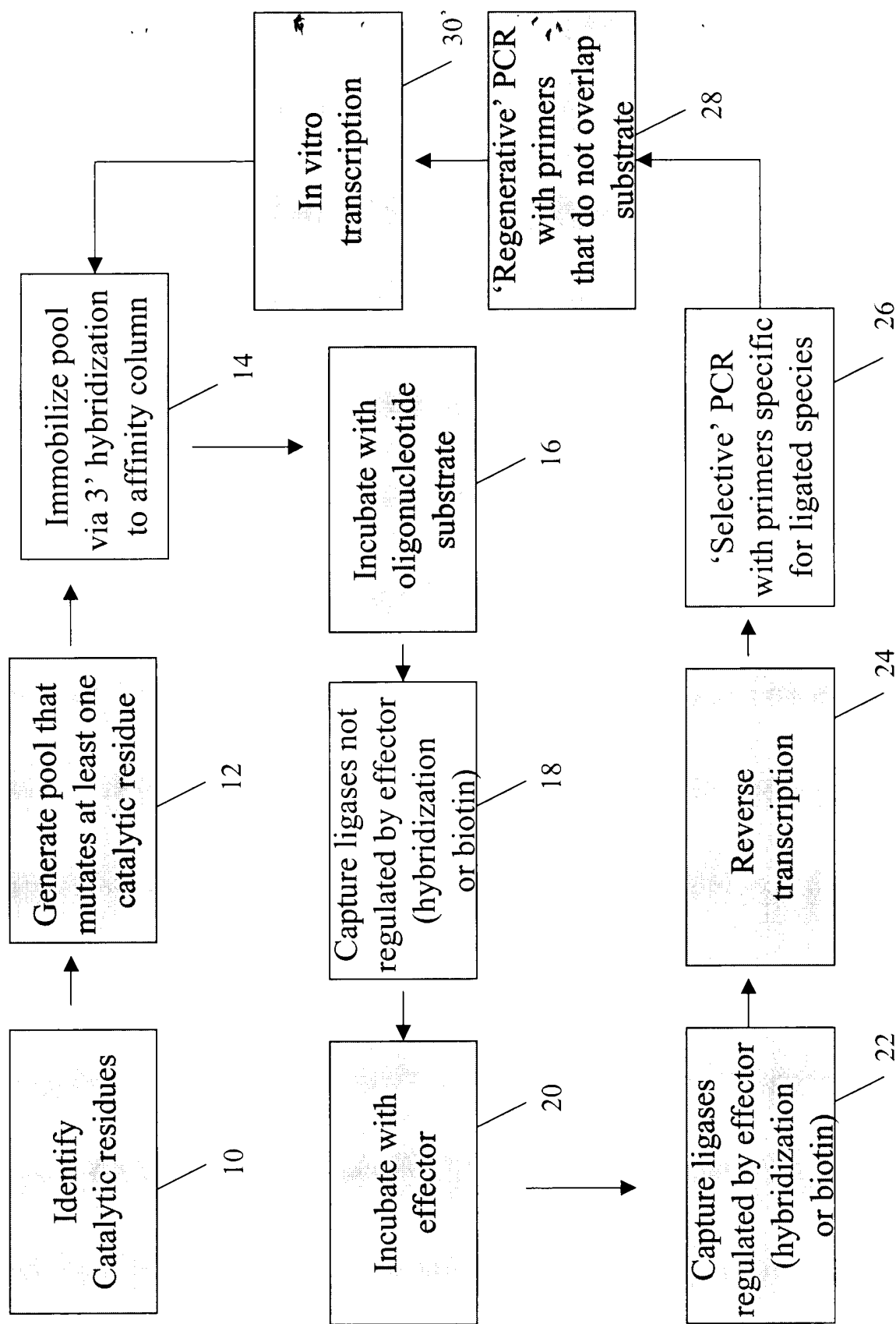


FIGURE 23

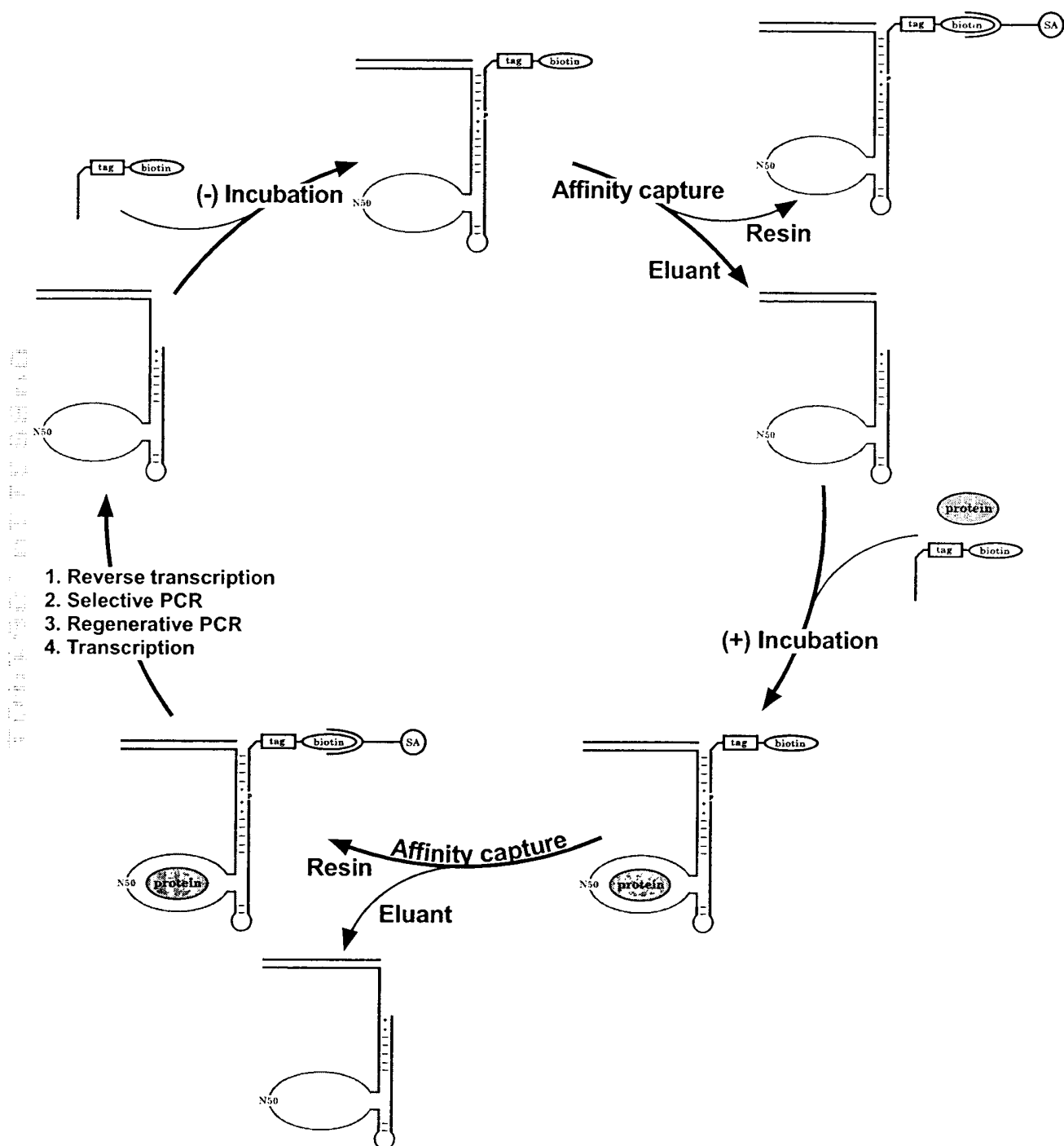


FIGURE 24

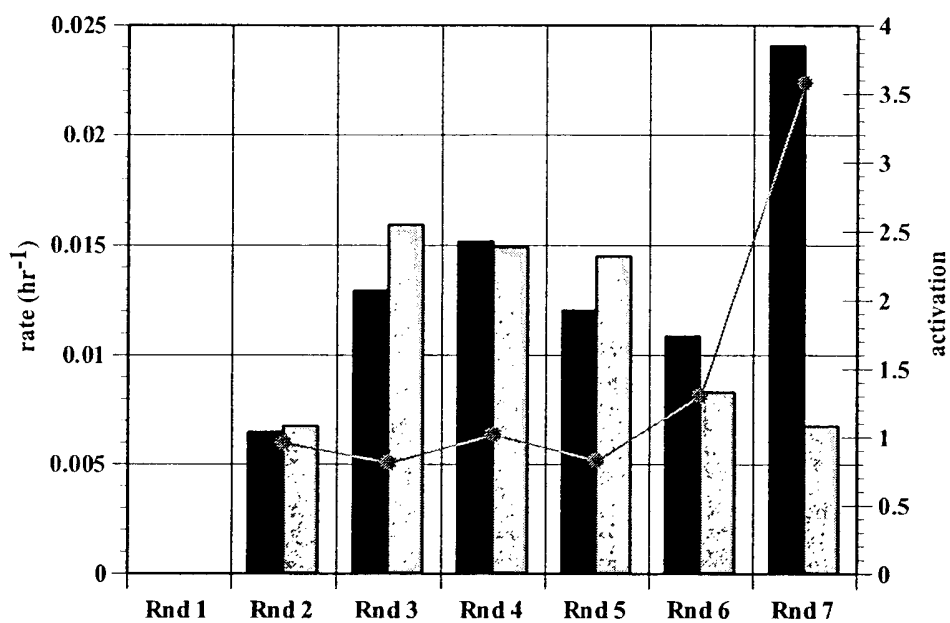
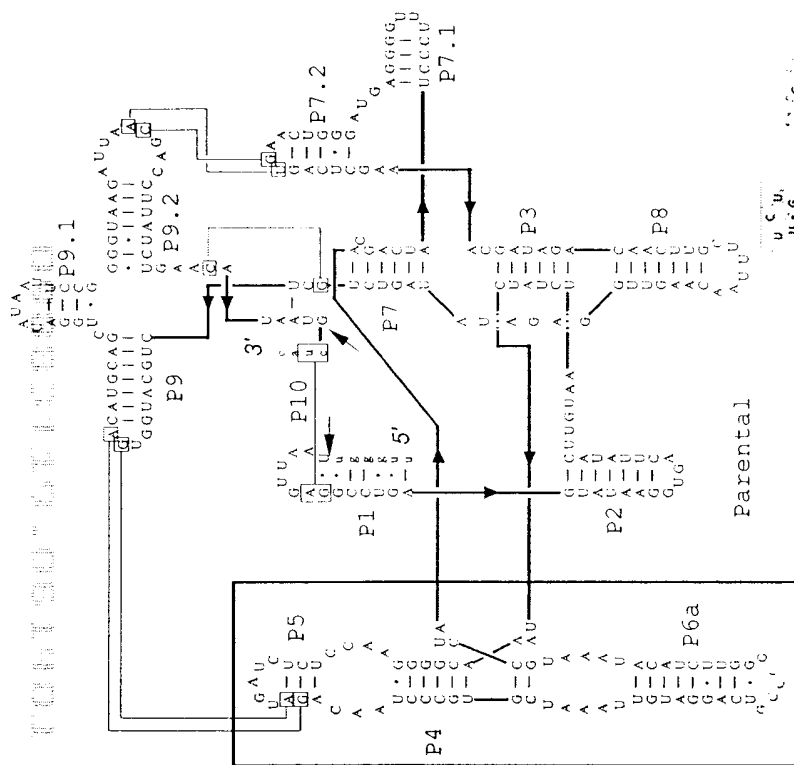
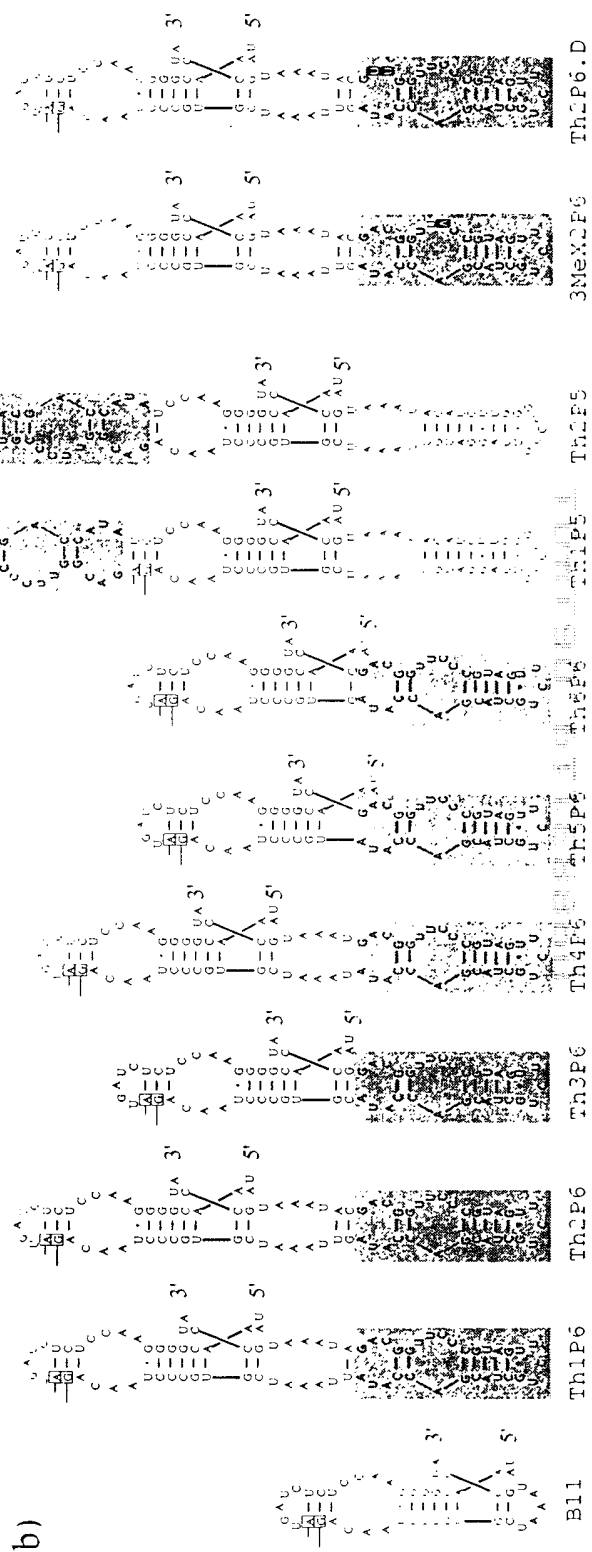


FIGURE 25



a)



b)

FIGURE 26

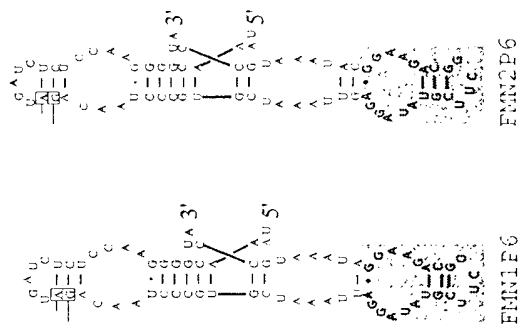
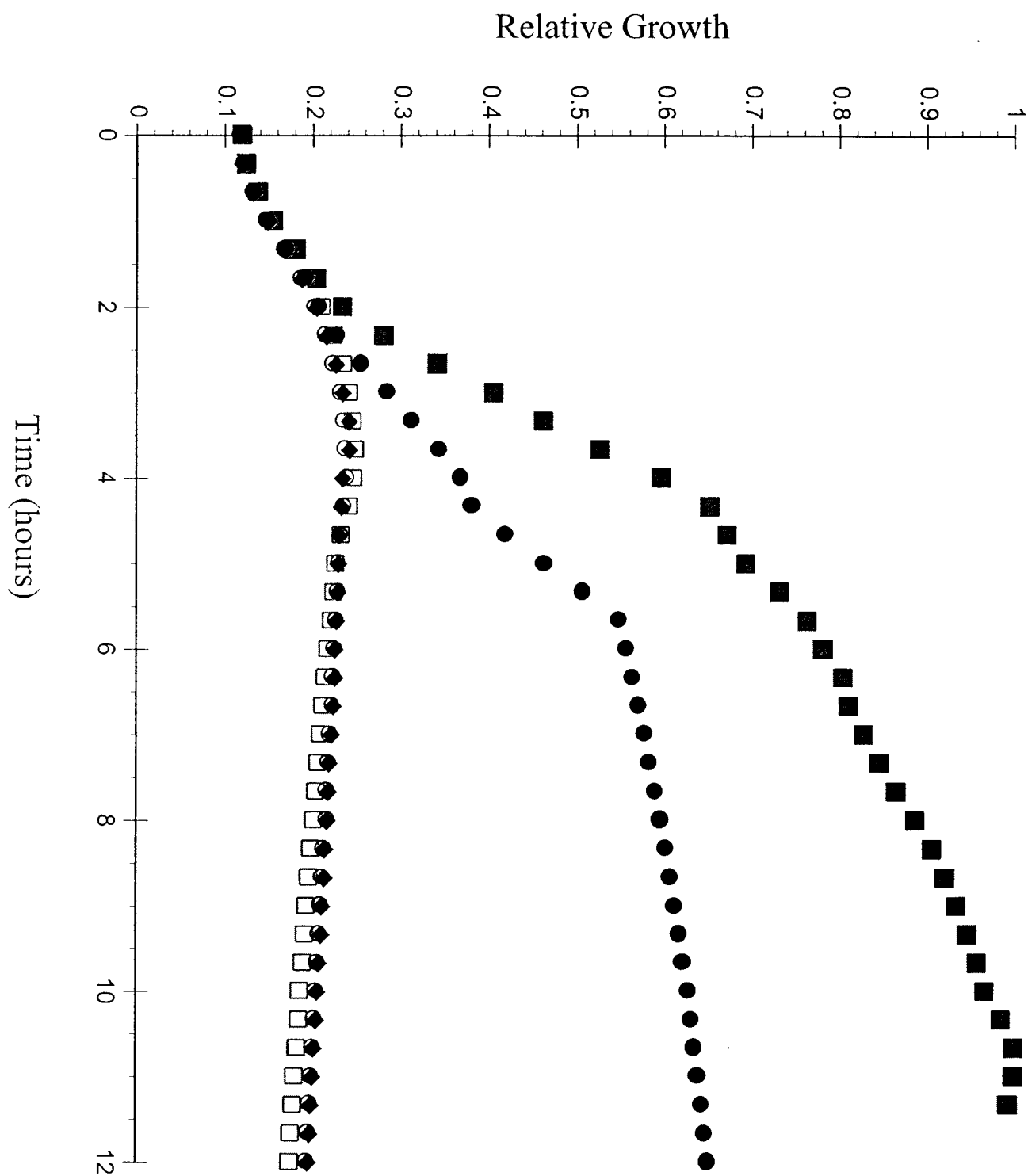


FIGURE 27(a)



10047500-01-000000

FIGURE 27(b)

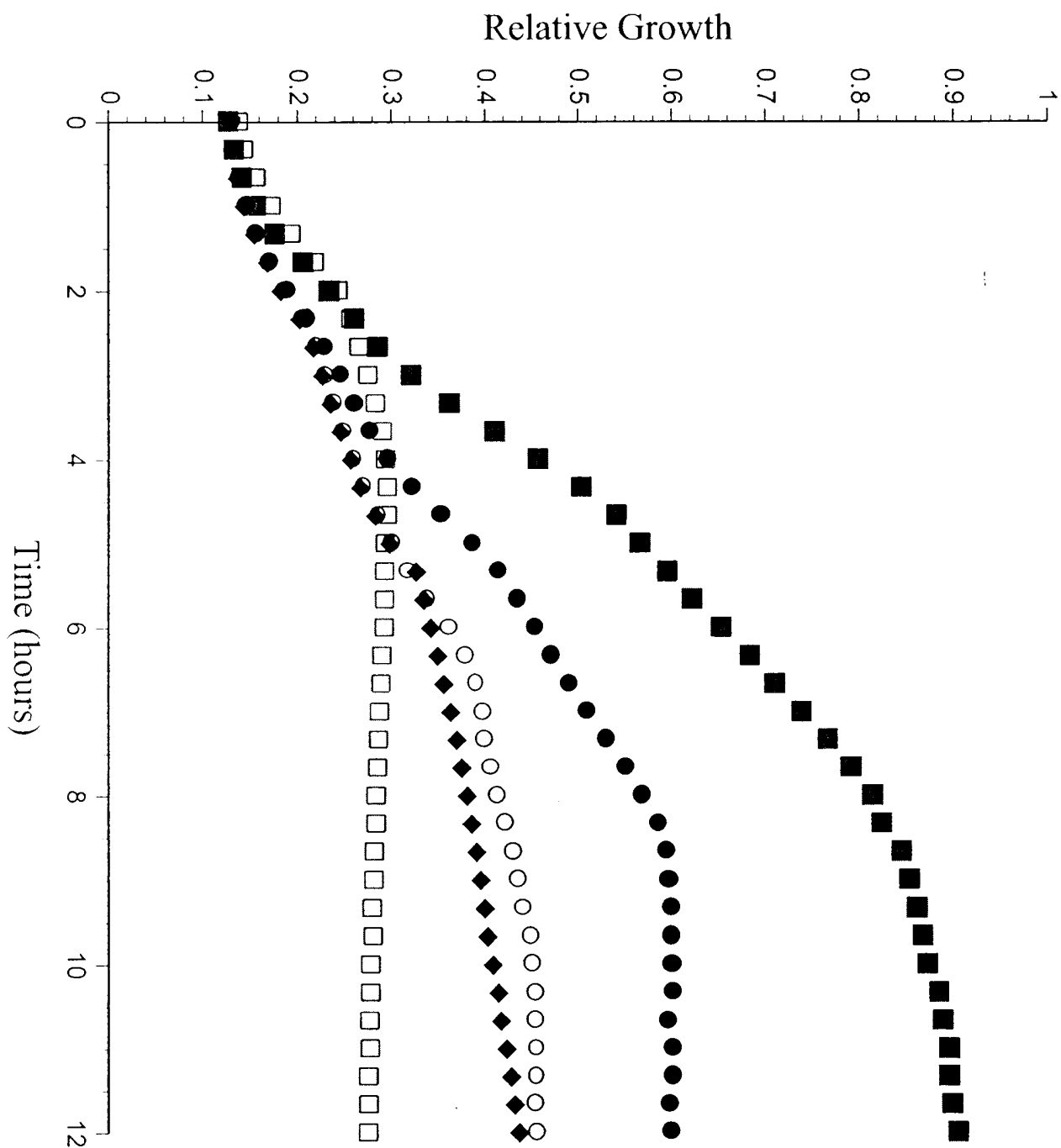


FIGURE 27(c)

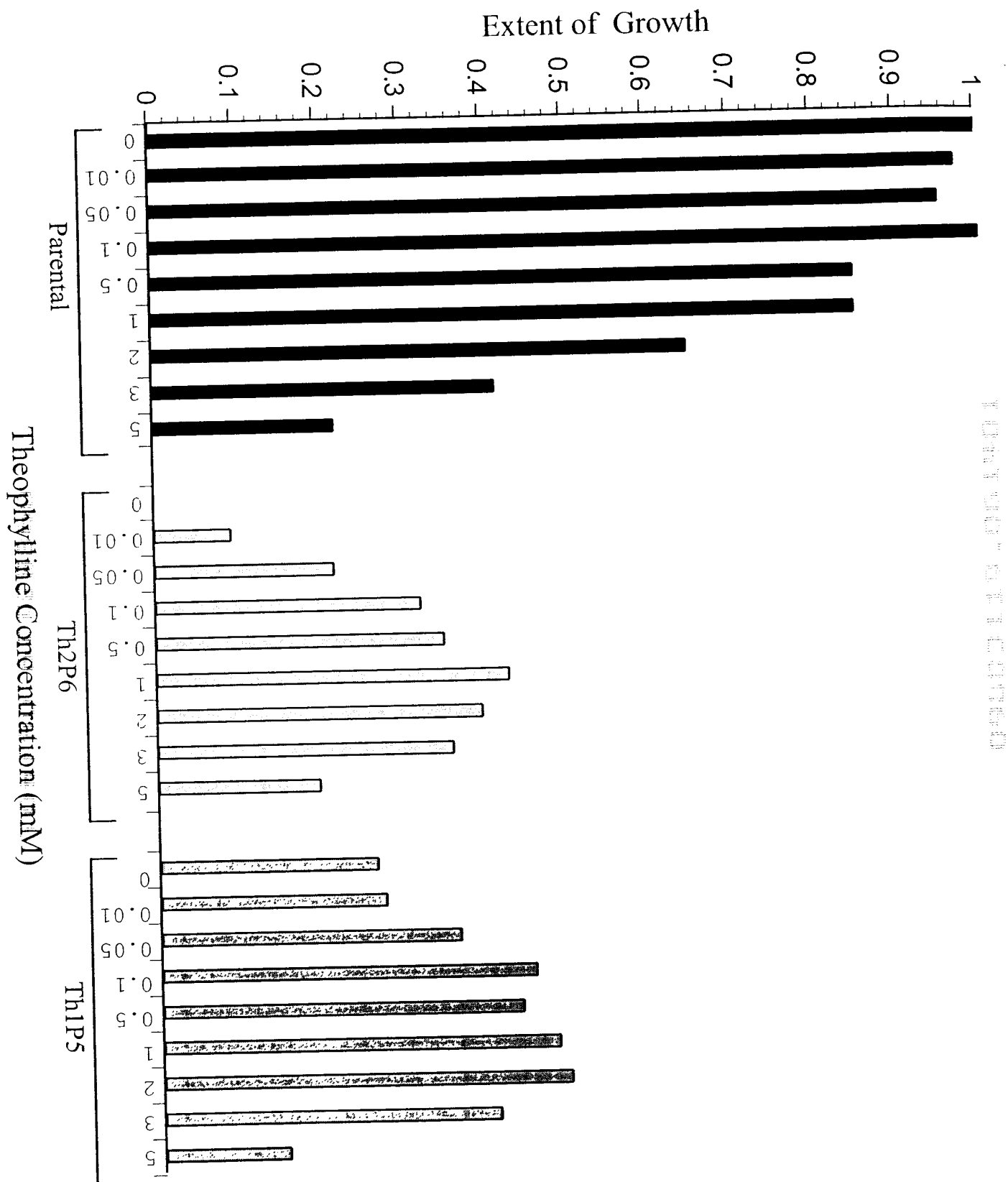


FIGURE 28

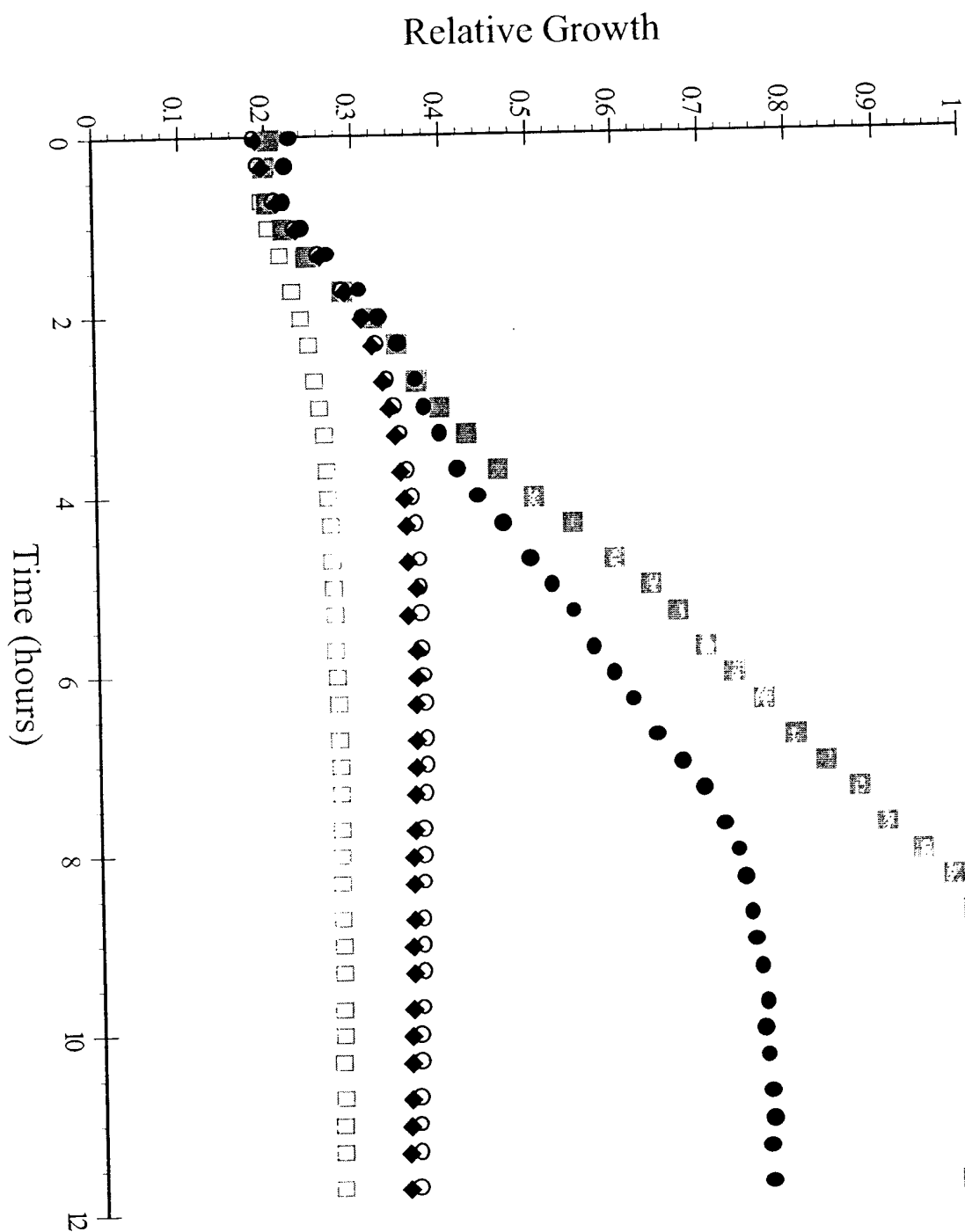


FIGURE 29

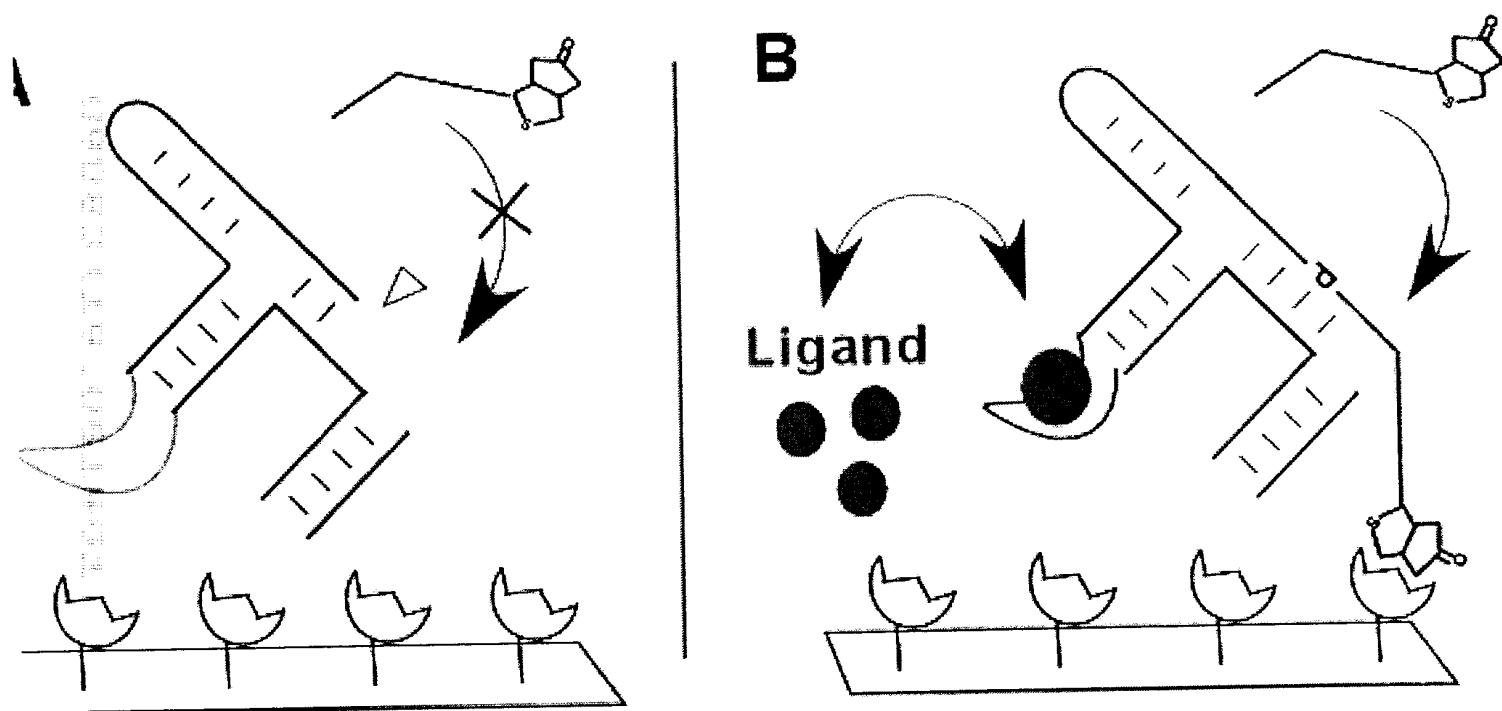


FIGURE 30

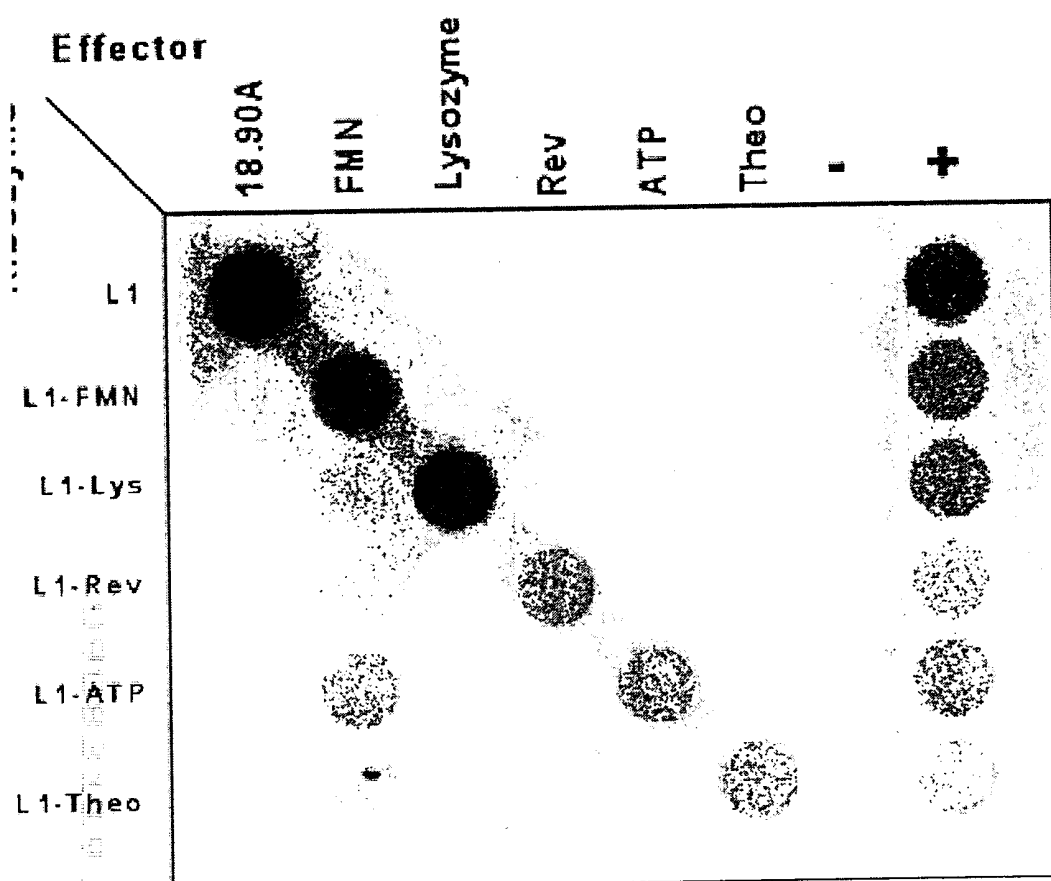
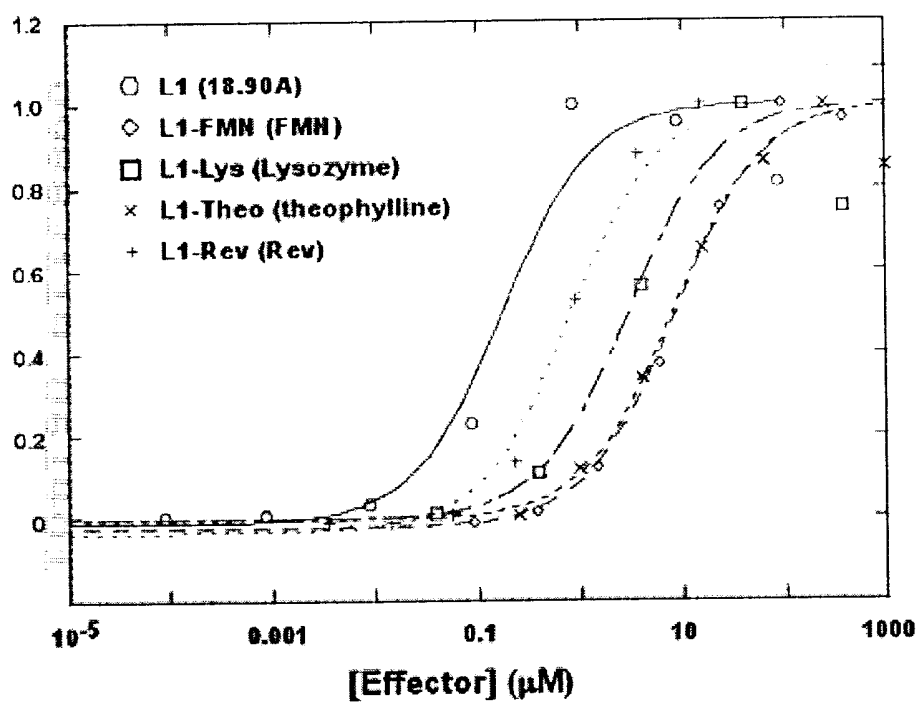


FIGURE 31



<u>Rz</u>	<u>K_d (μM)</u>	<u>% Bound (max)</u>
L1	0.16	16.5
L1-FMN	7.96	14.0
L1-Lys	2.13	22.7
L1-Theo	8.02	3.48
L1-Rev	0.77	19.0